

FIG. 1

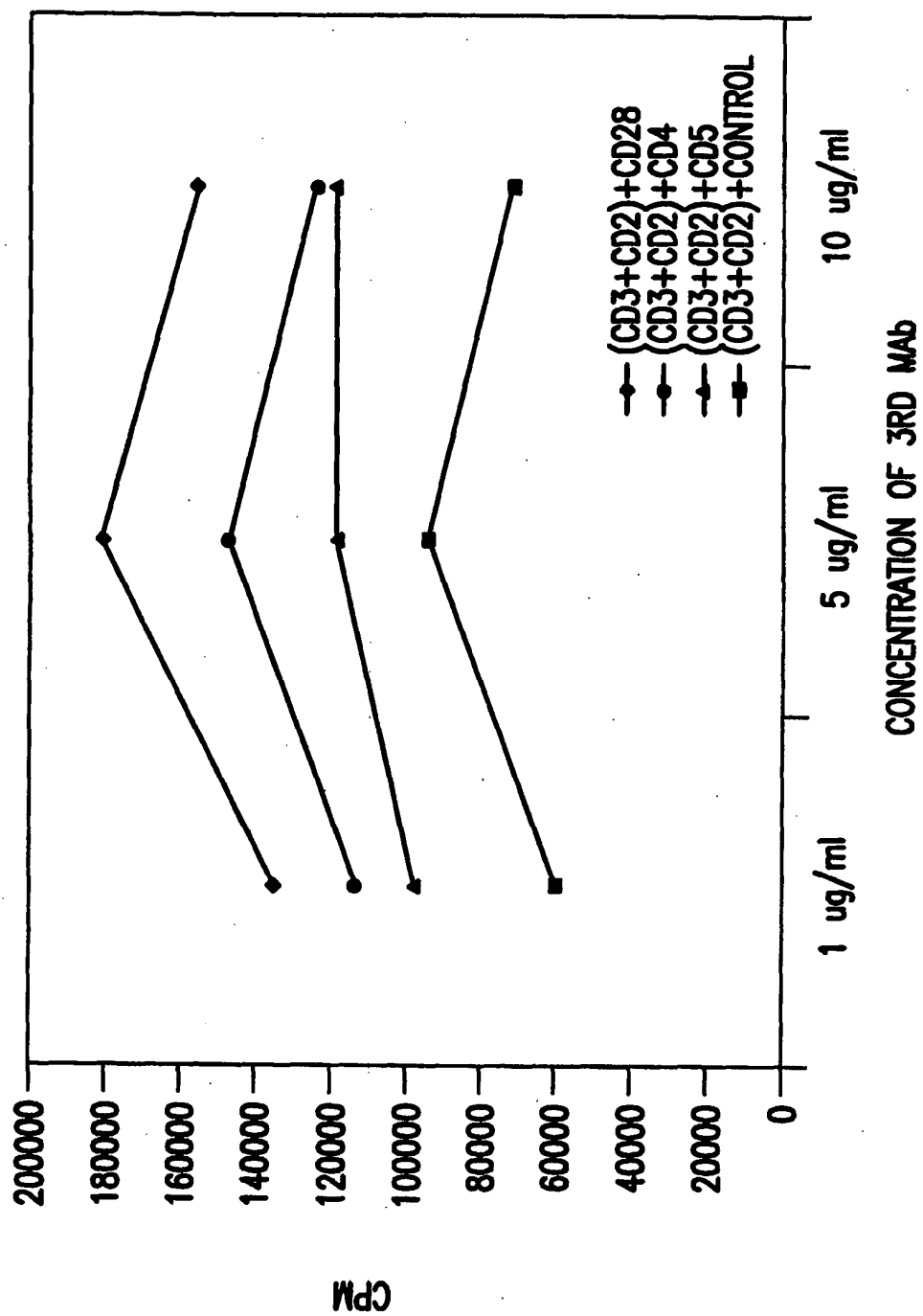


FIG. 2

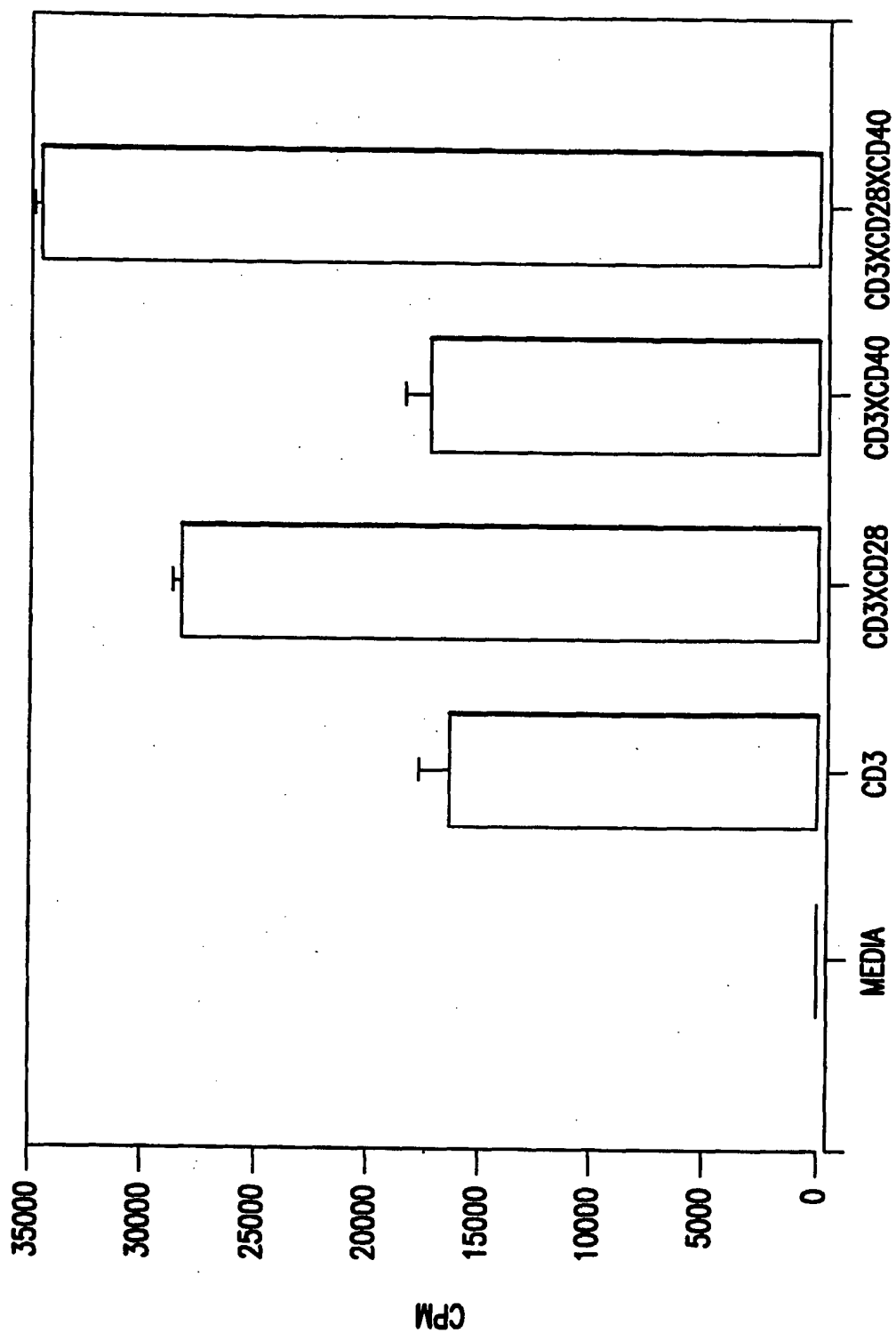


FIG. 3

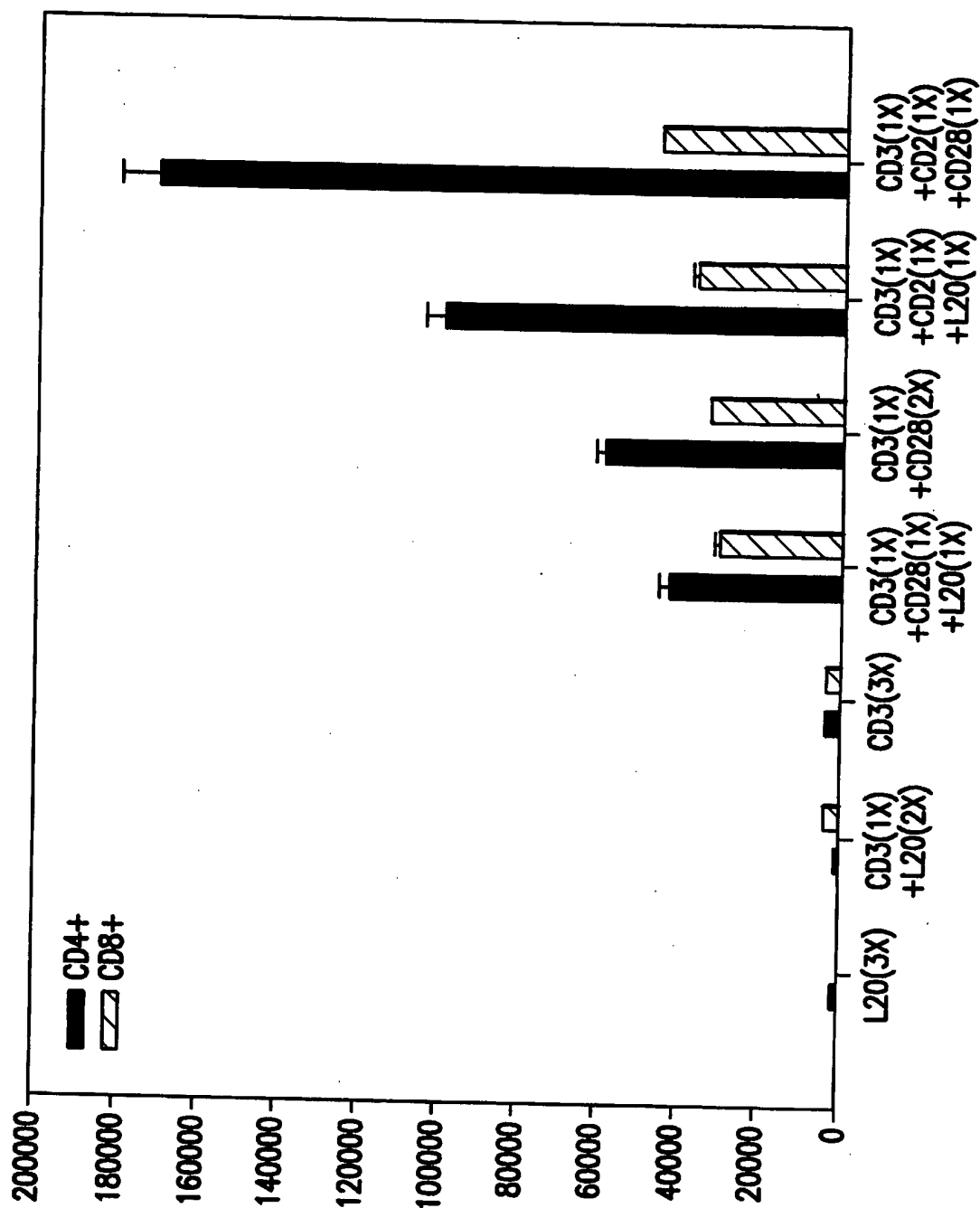


FIG. 4

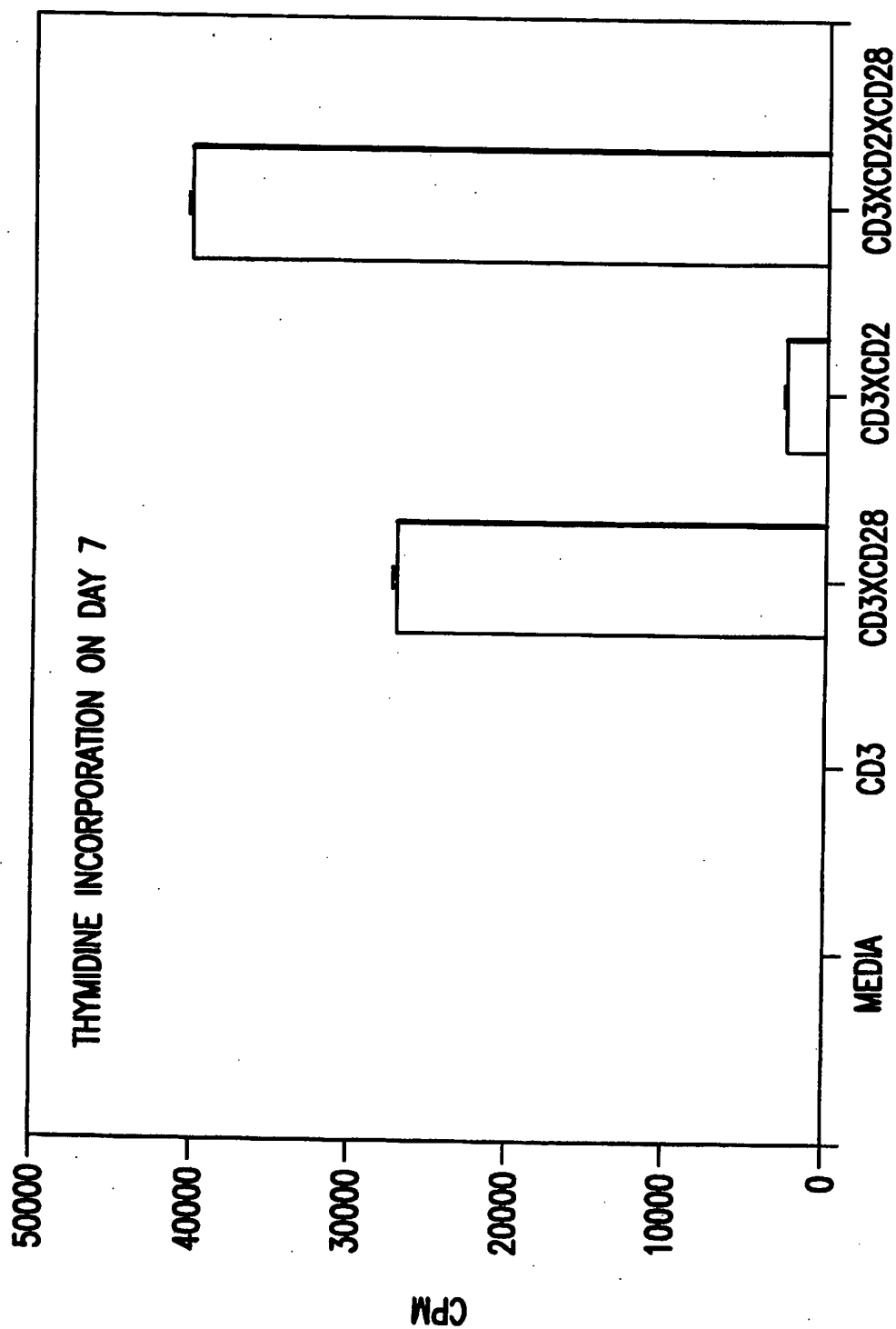


FIG. 5A

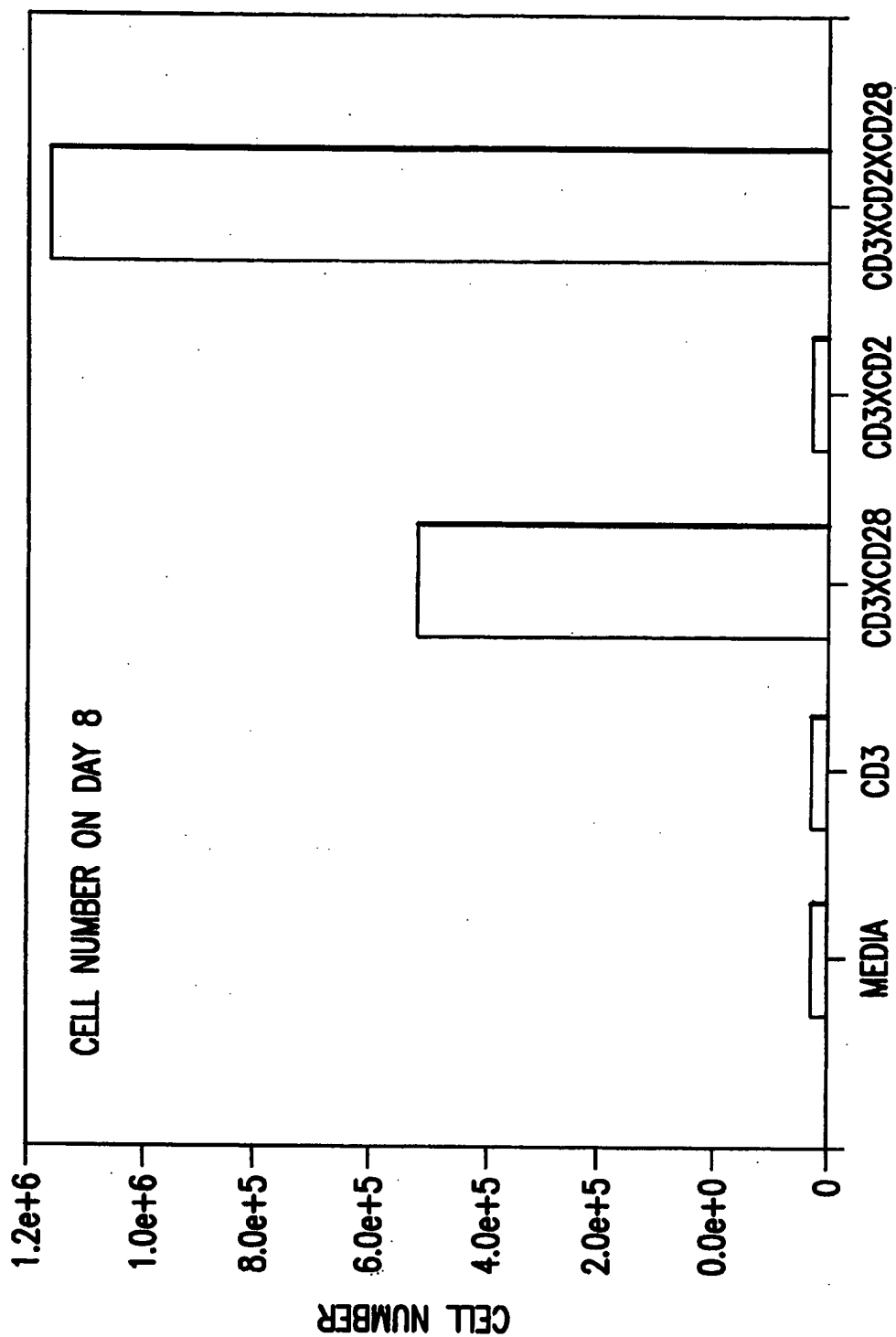


FIG. 5B

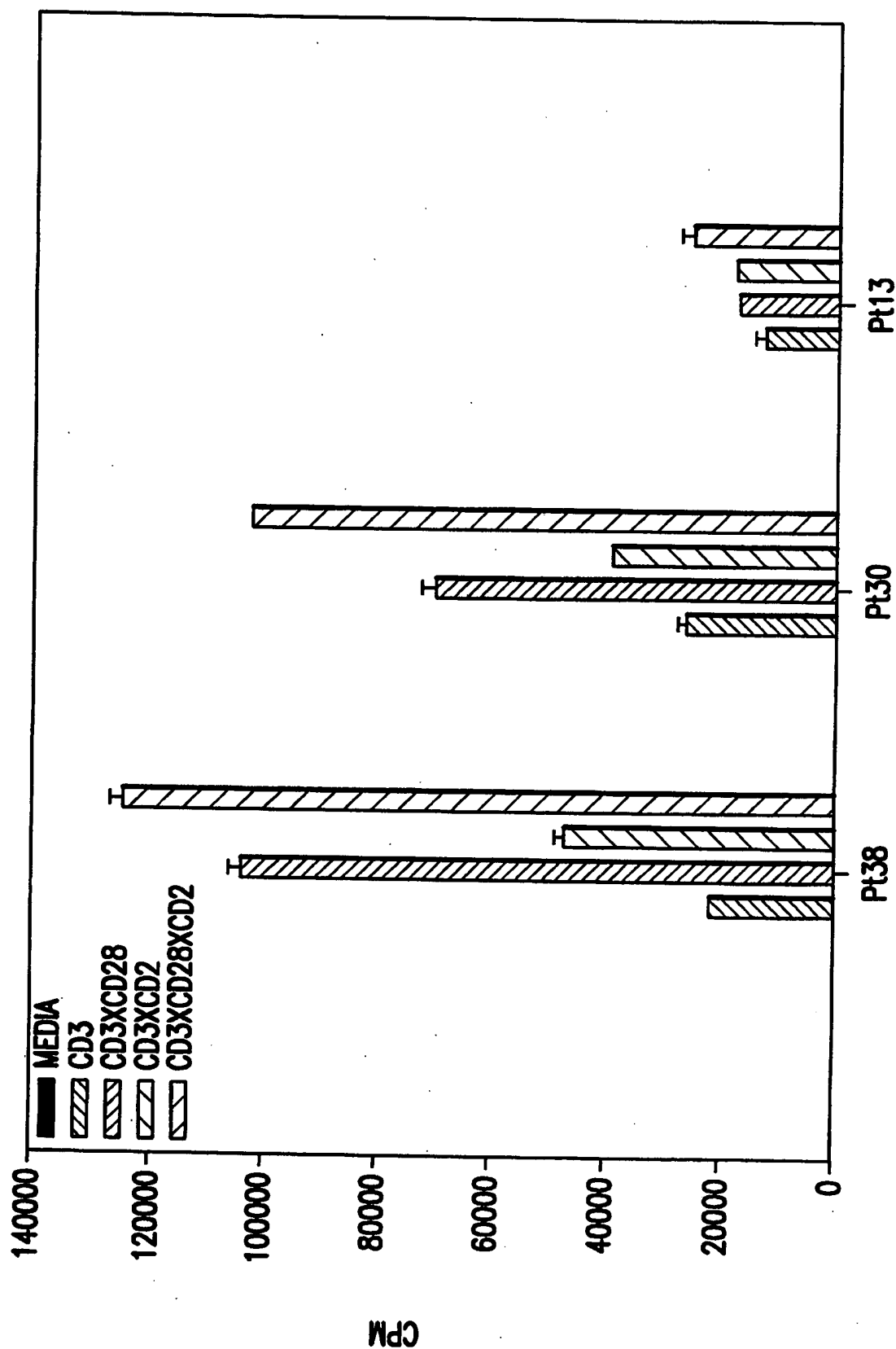


FIG. 6

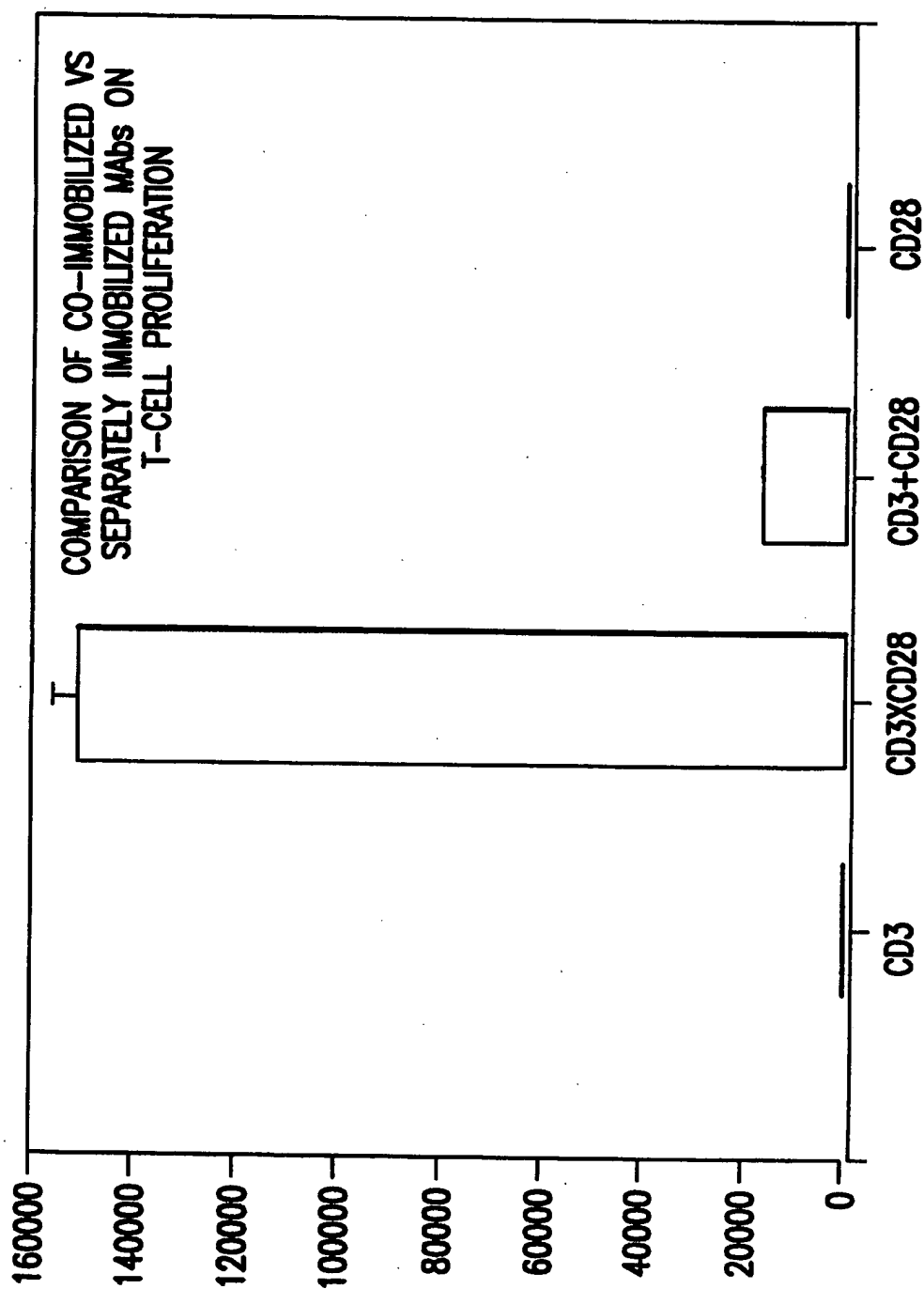


FIG. 7A

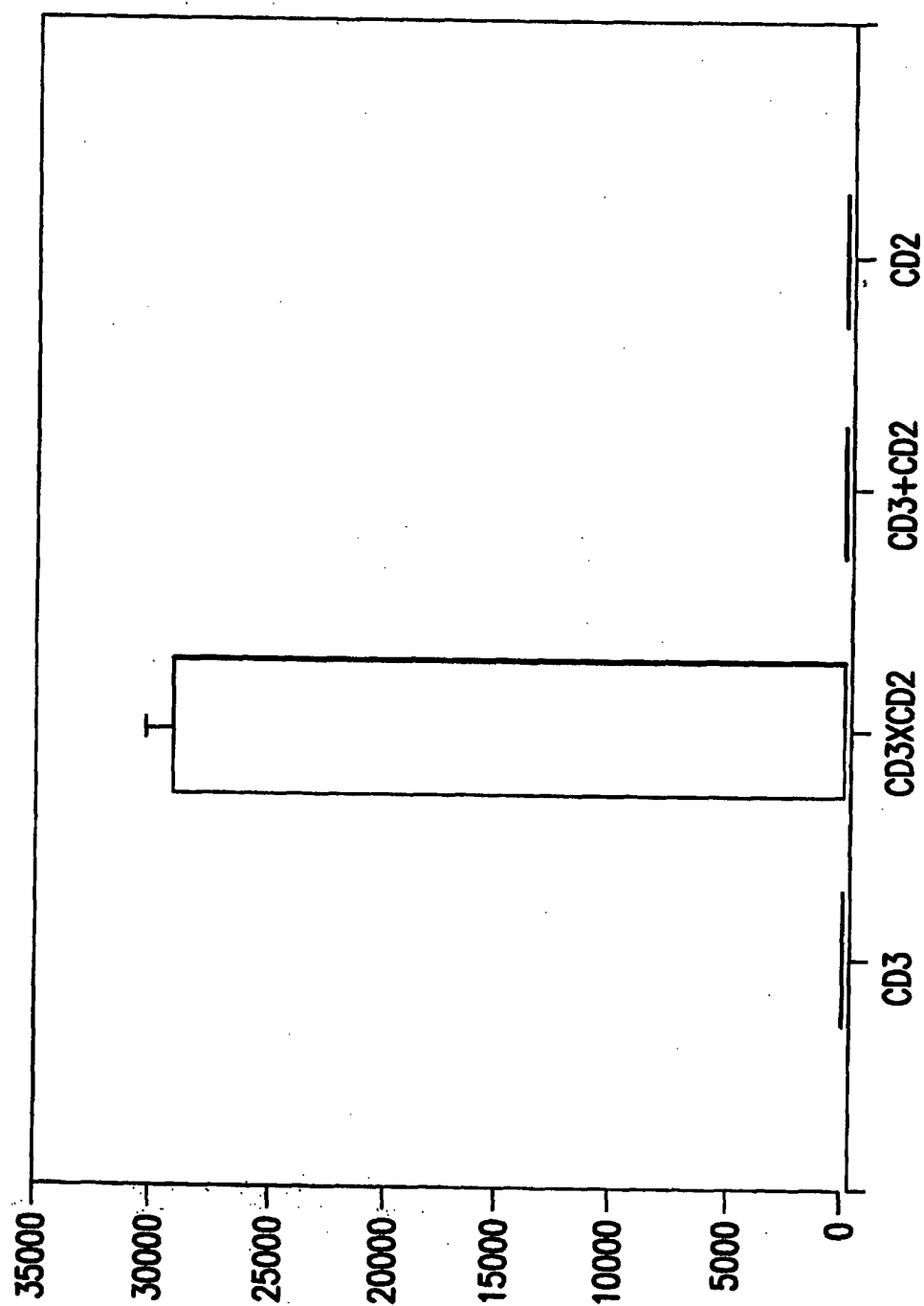


FIG. 7B

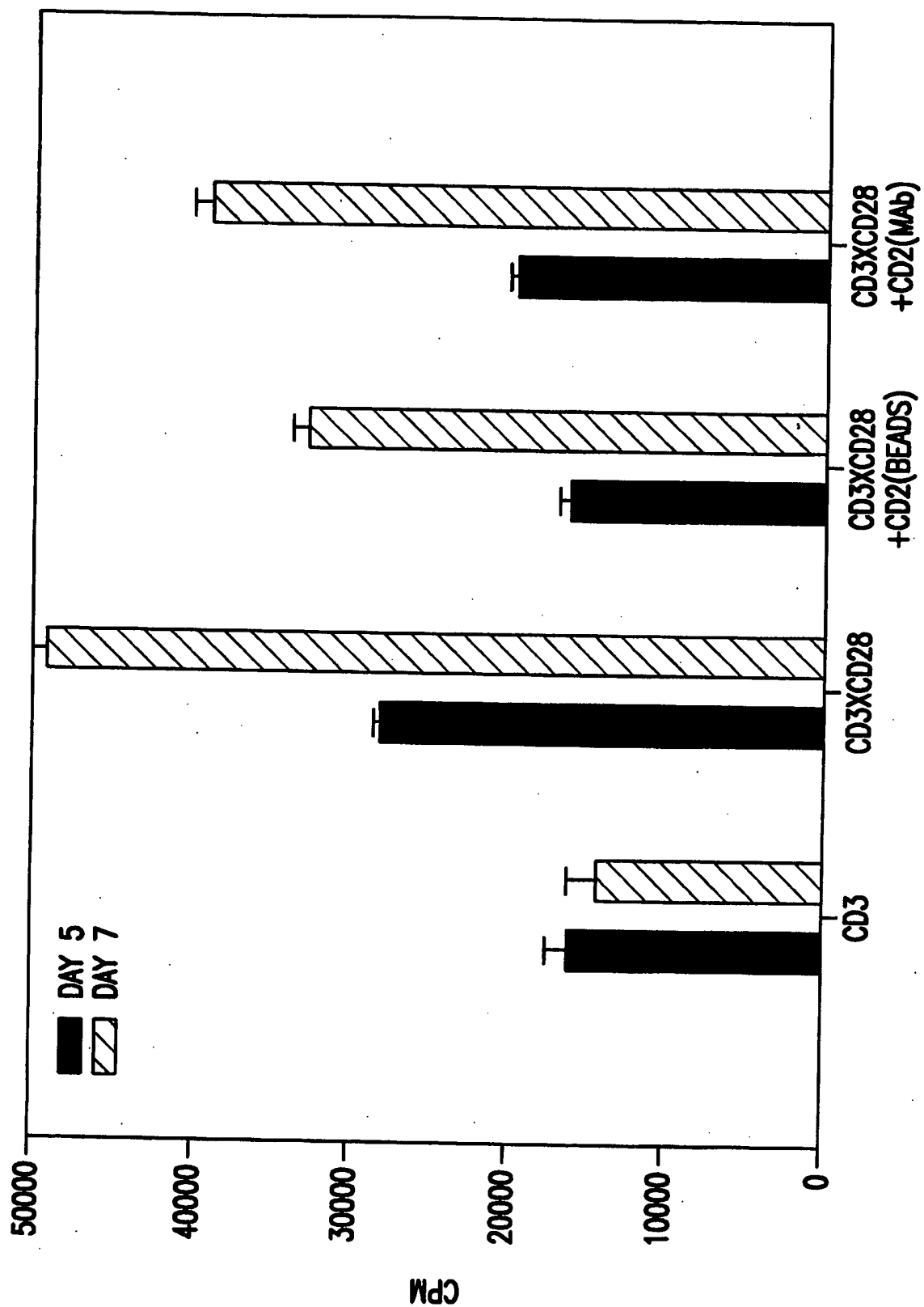


FIG. 8

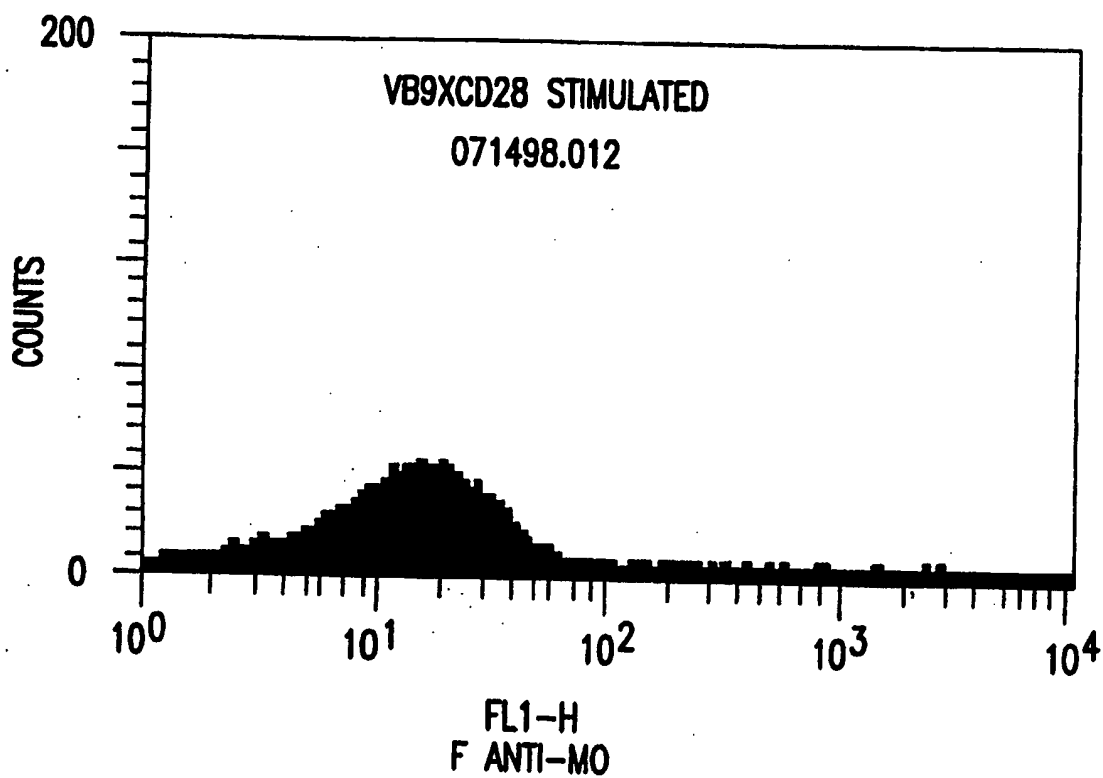


FIG. 9A

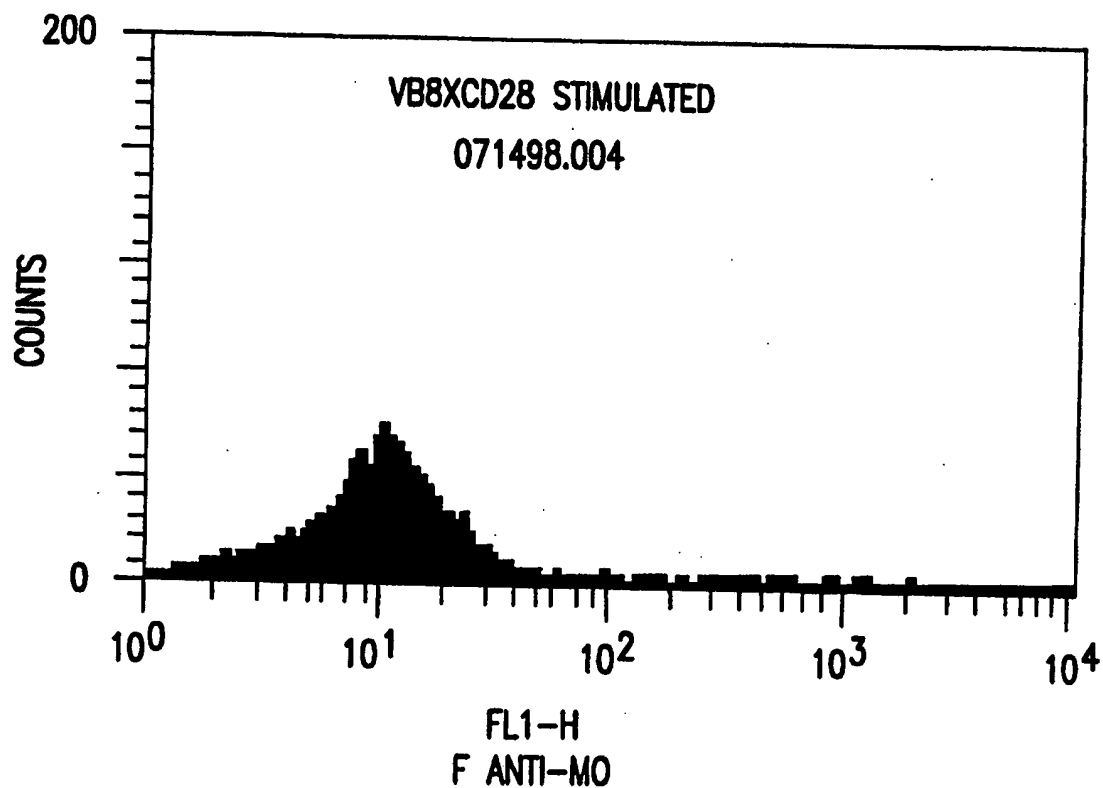
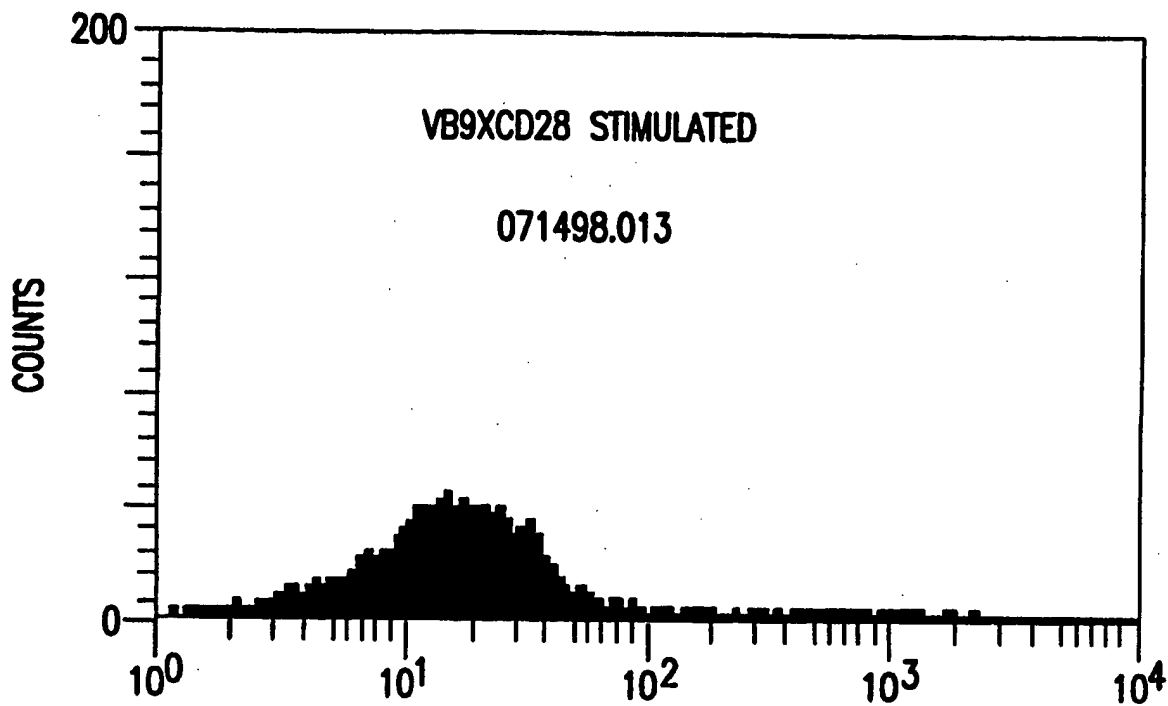
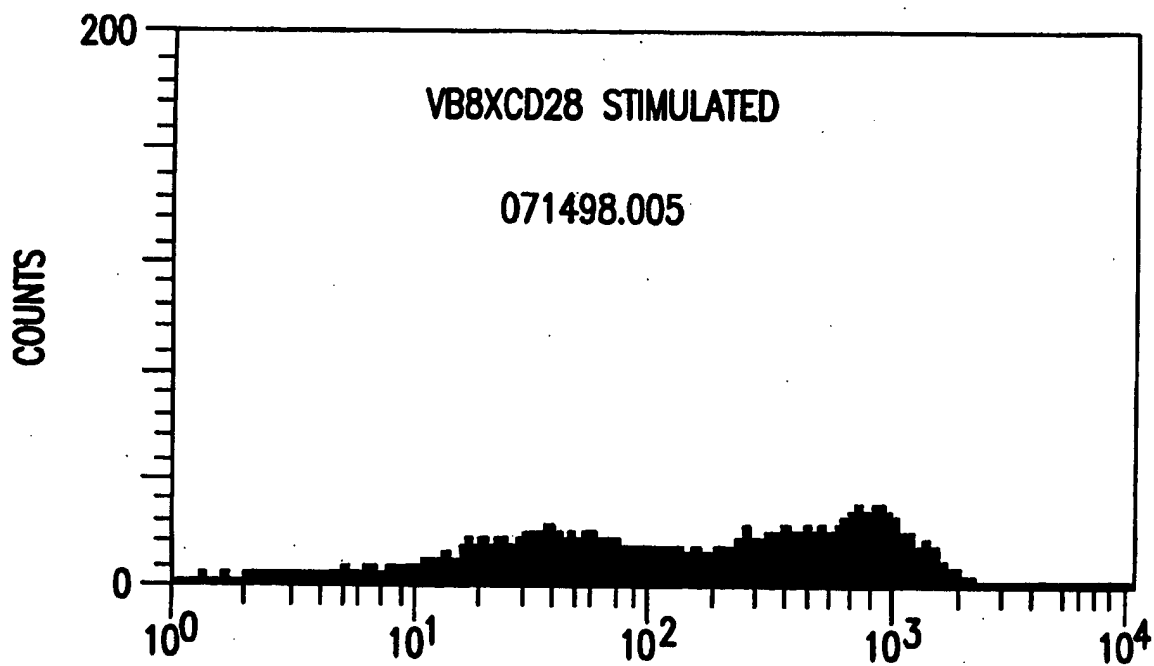


FIG. 9B



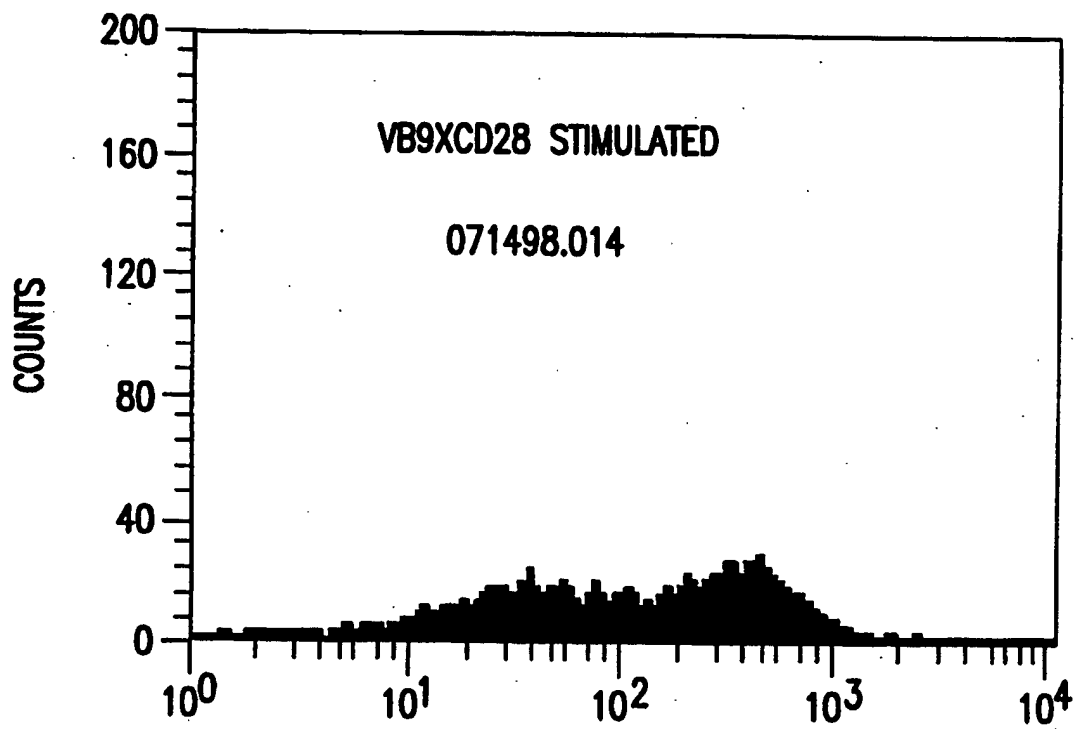
FL1-H
F ANTI-VB 8

FIG. 9C



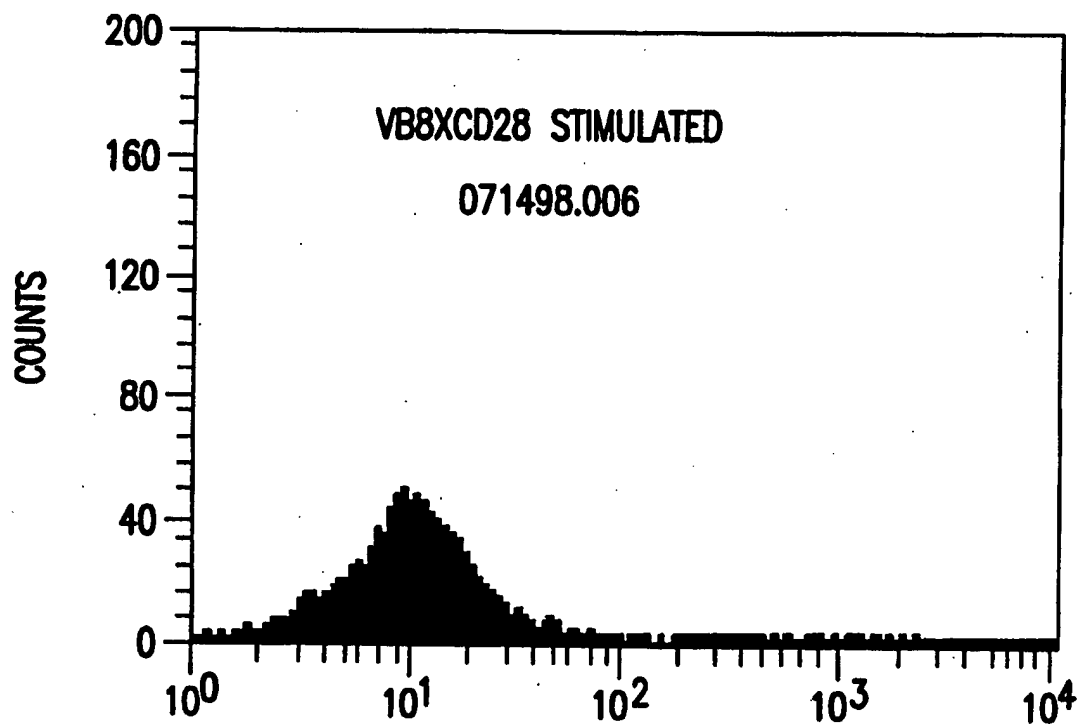
FL1-H
F ANTI-VB 8

FIG. 9D



FL1-H
F ANTI-VB 9

FIG. 9E



FL1-H
F ANTI-VB 9

FIG. 9F

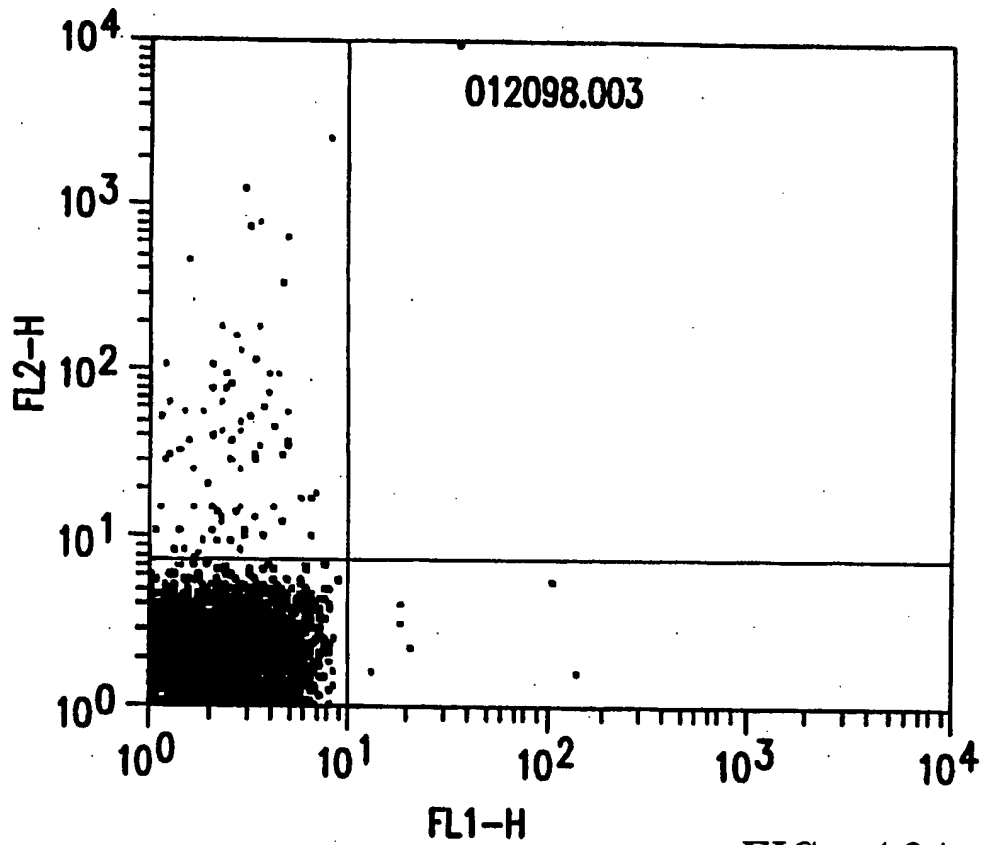


FIG. 10A

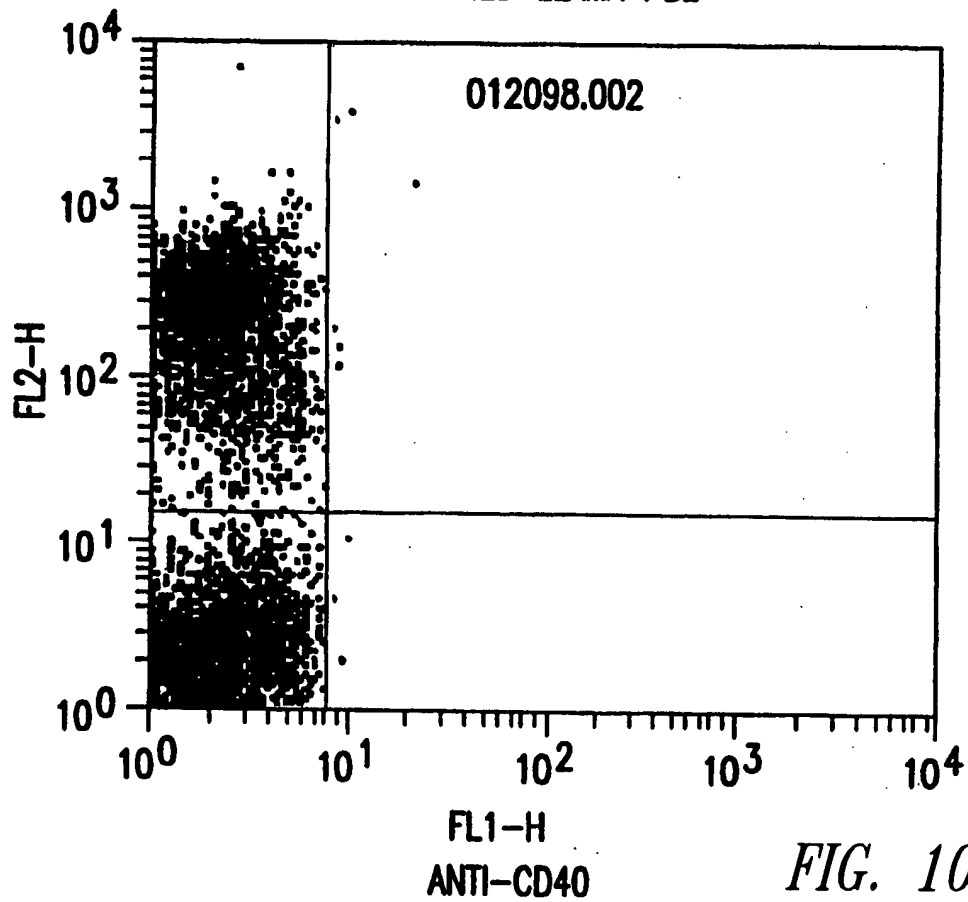
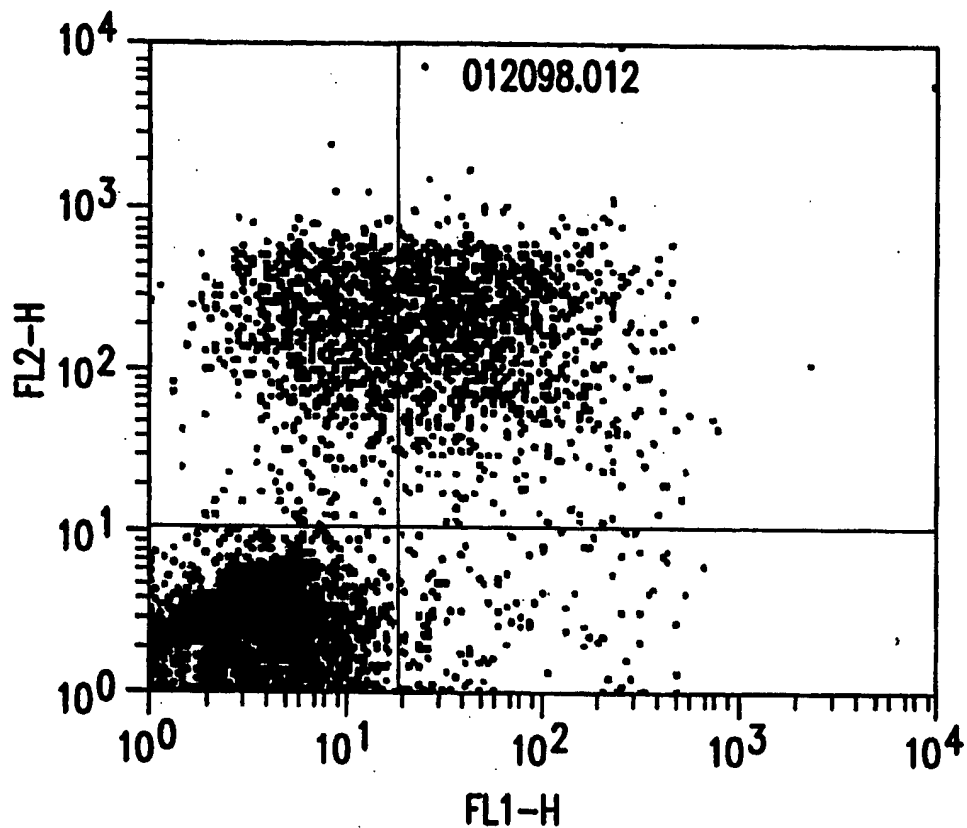
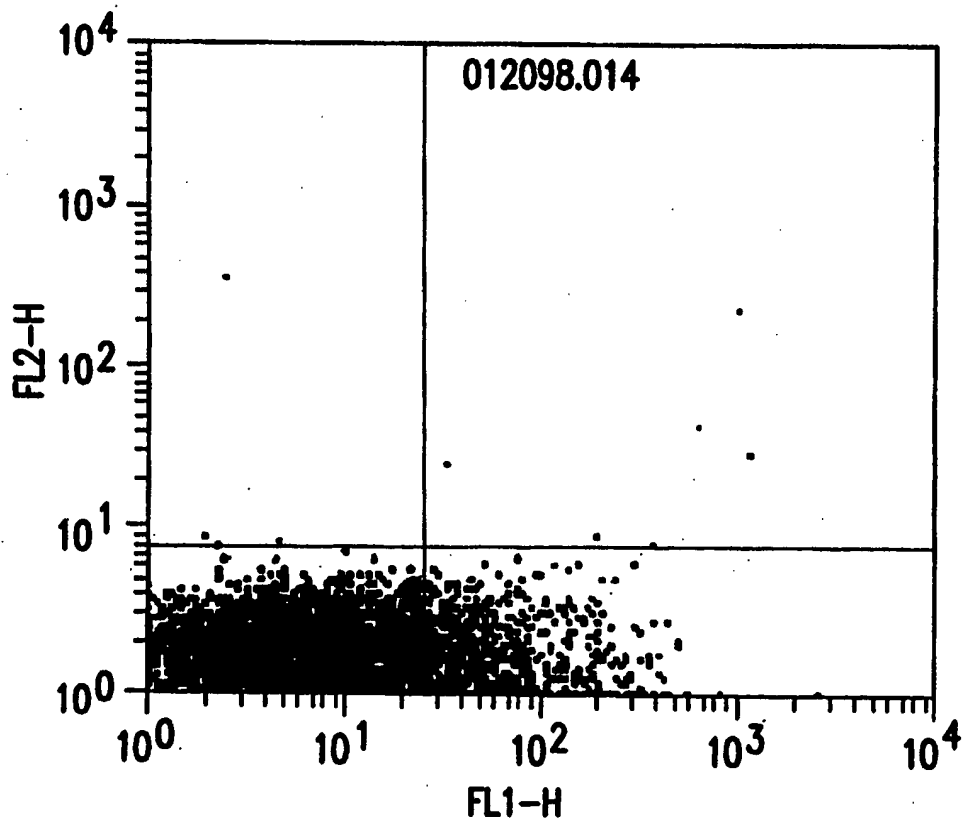


FIG. 10B



ANTI-CD40 VS. ANTI-LIGHT CHAINS *FIG. 10C*



ANTI-LIGHT CHAINS *FIG. 10D*

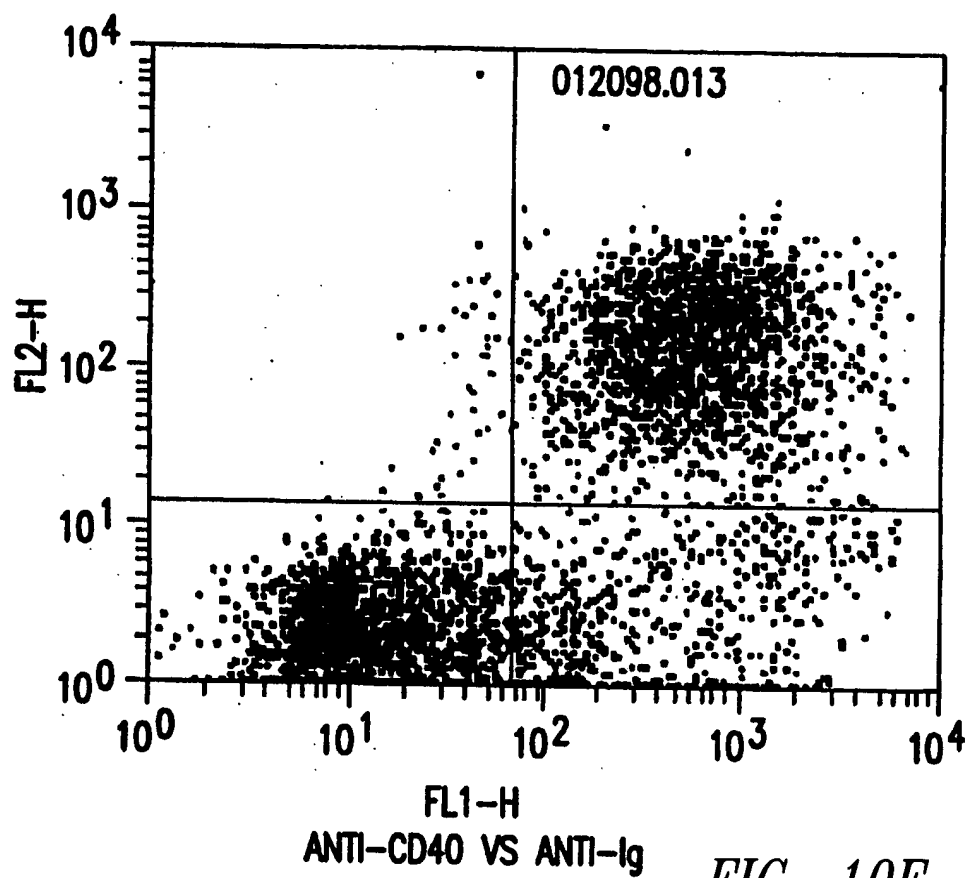


FIG. 10E

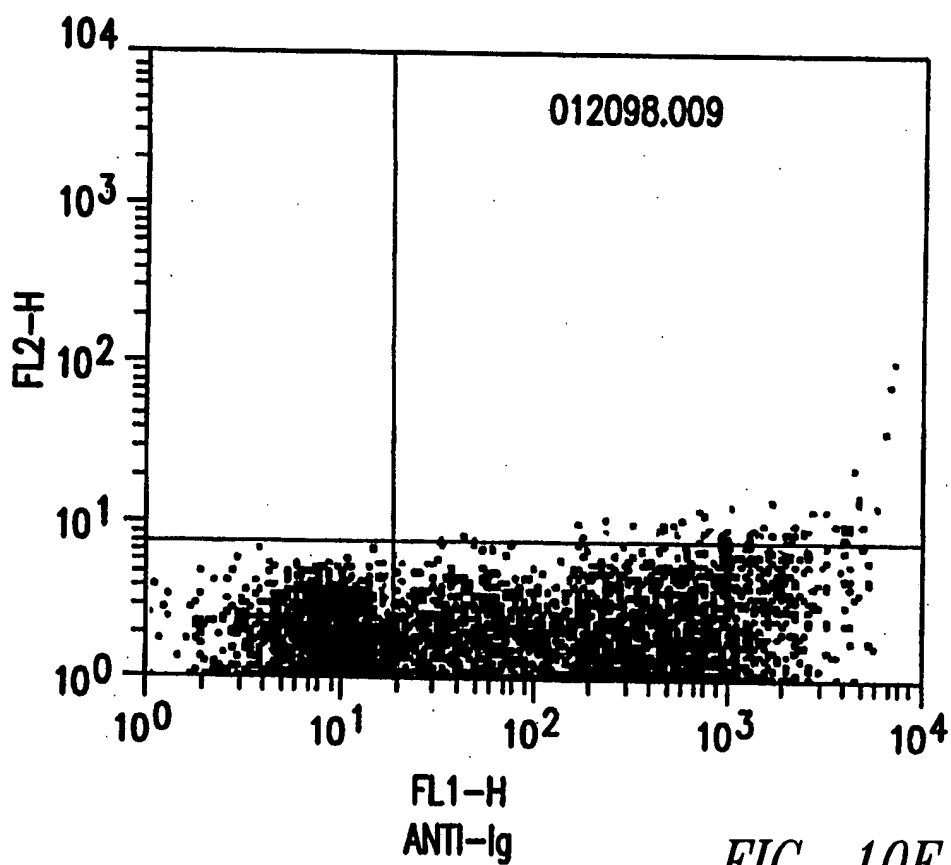


FIG. 10F

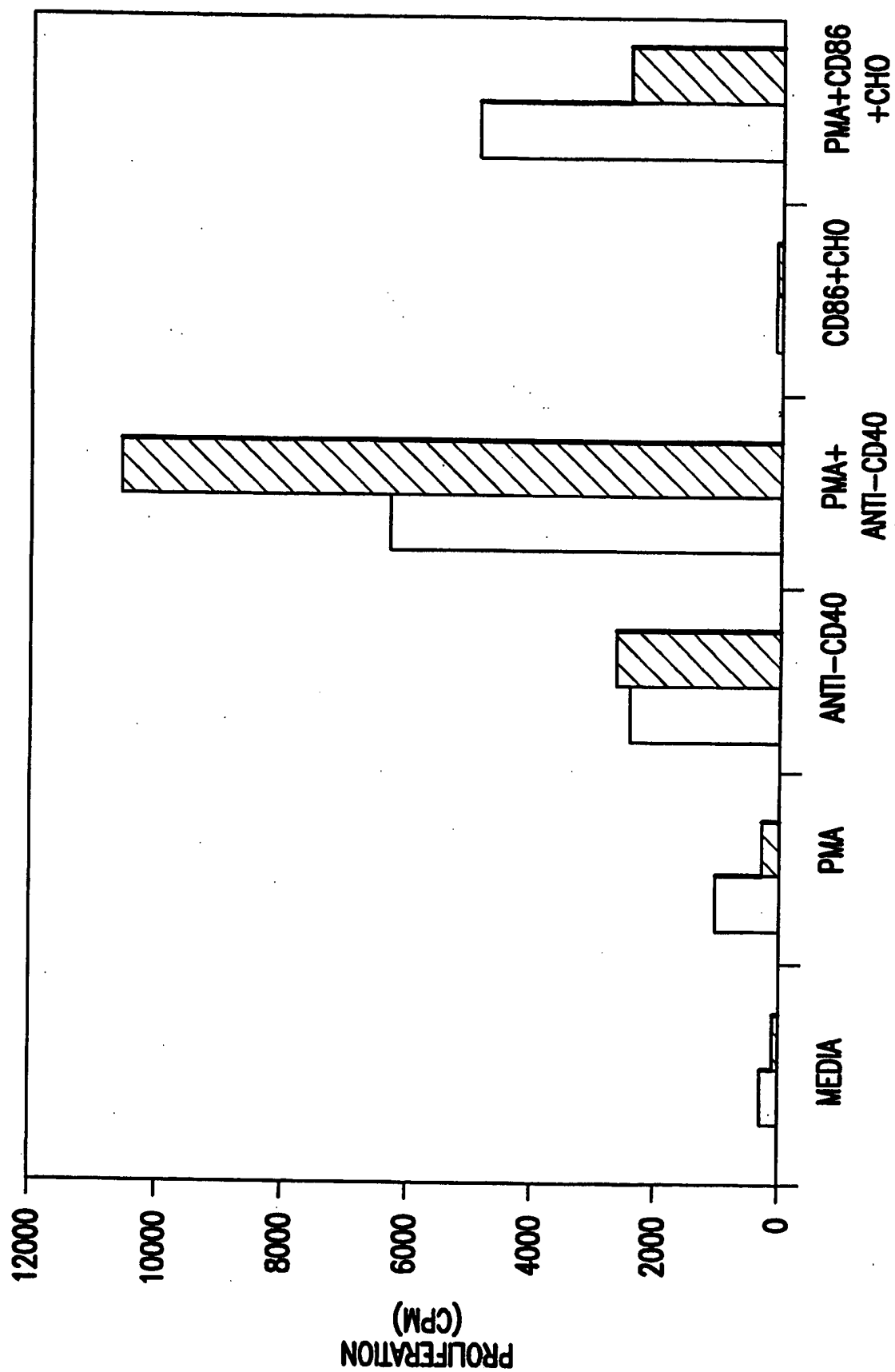


FIG. 11

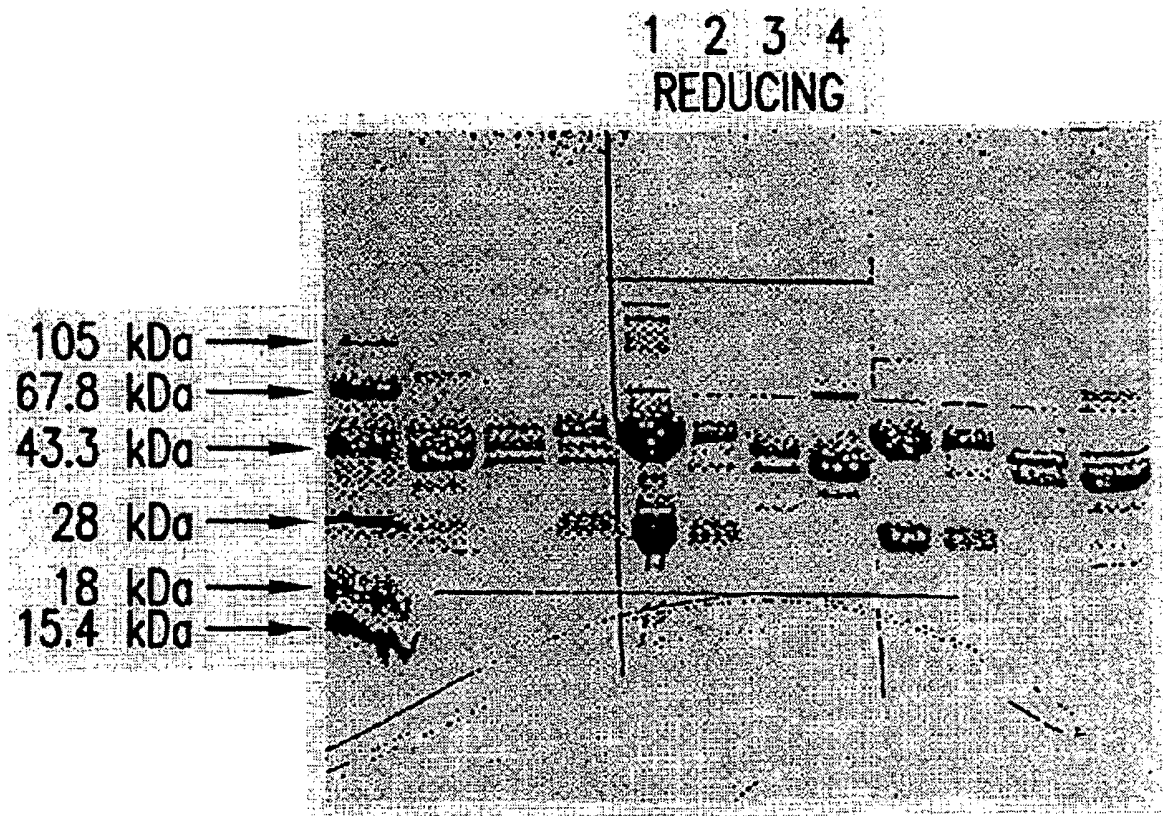
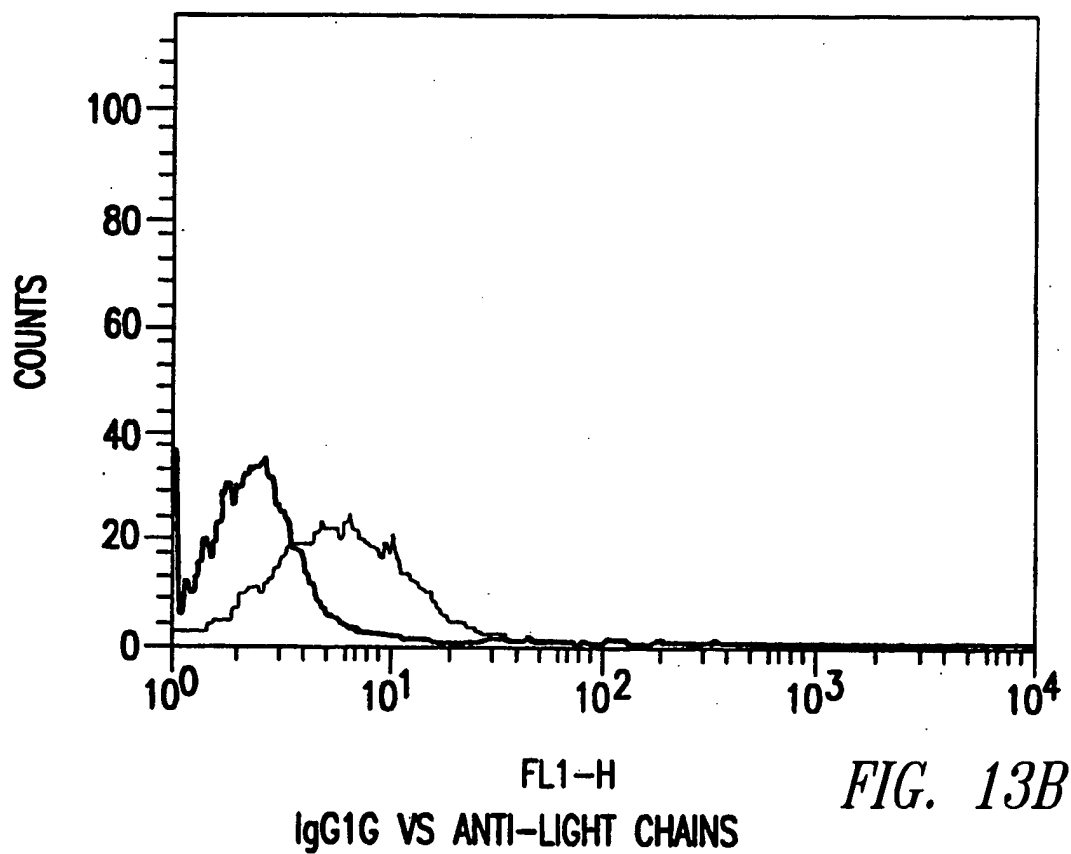
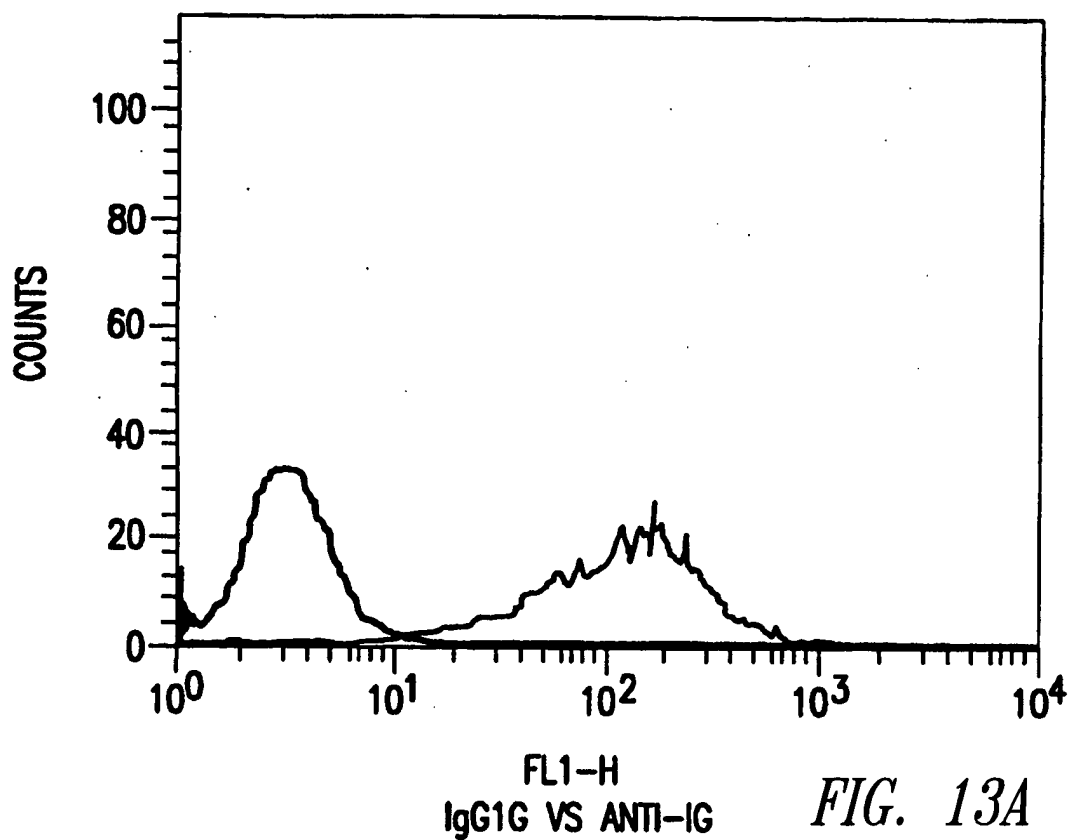
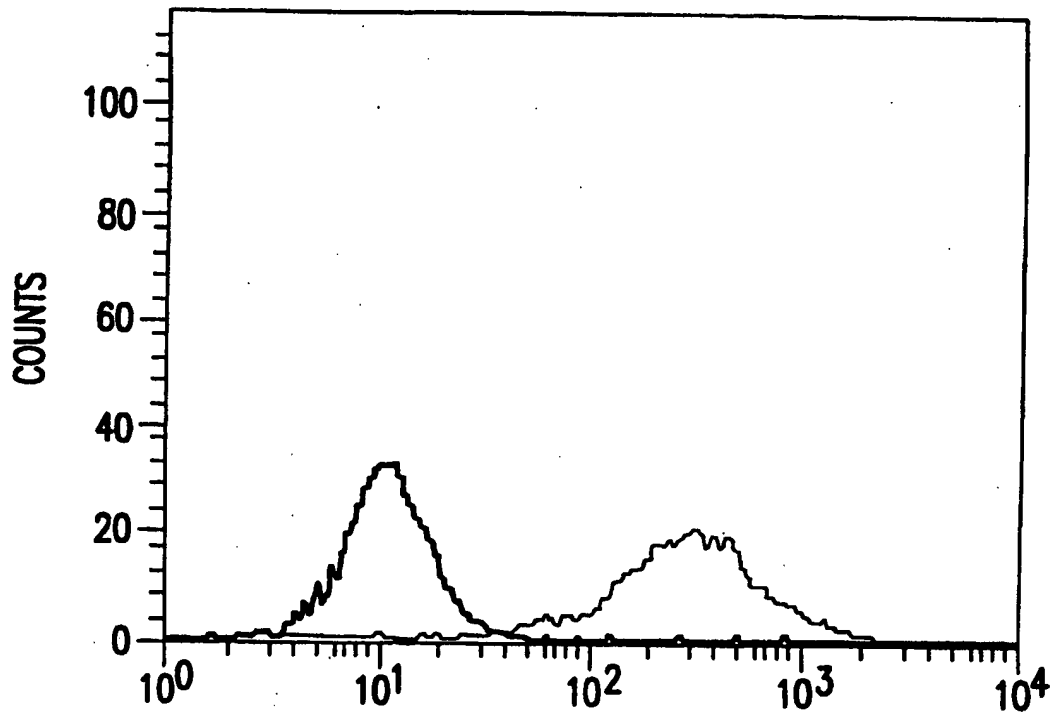
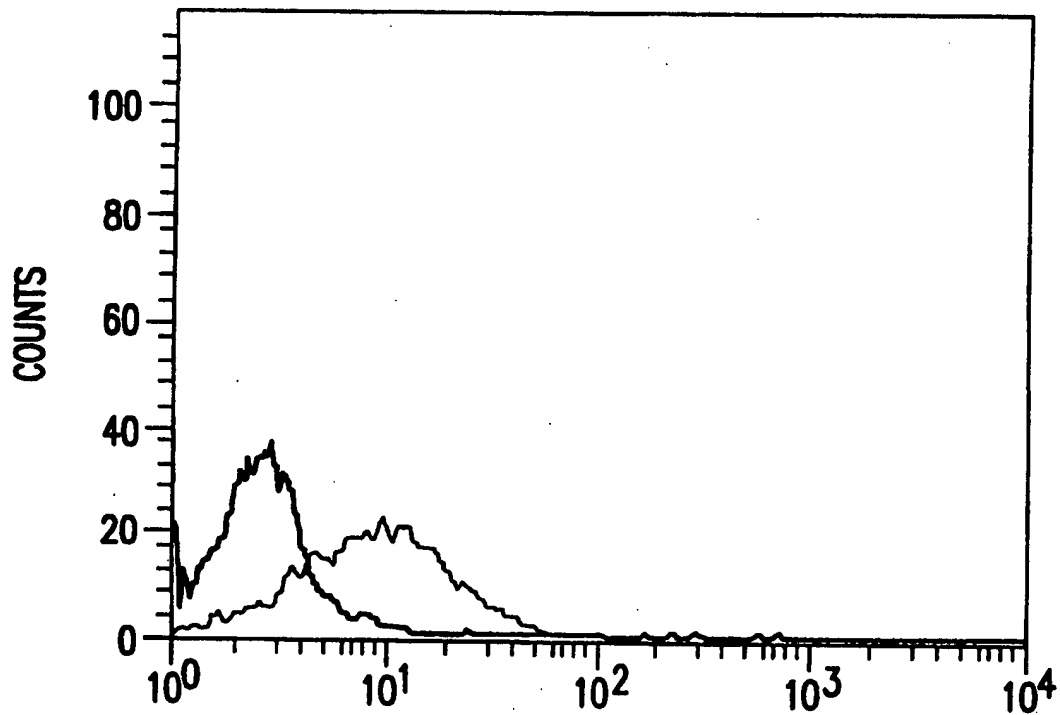


FIG. 12

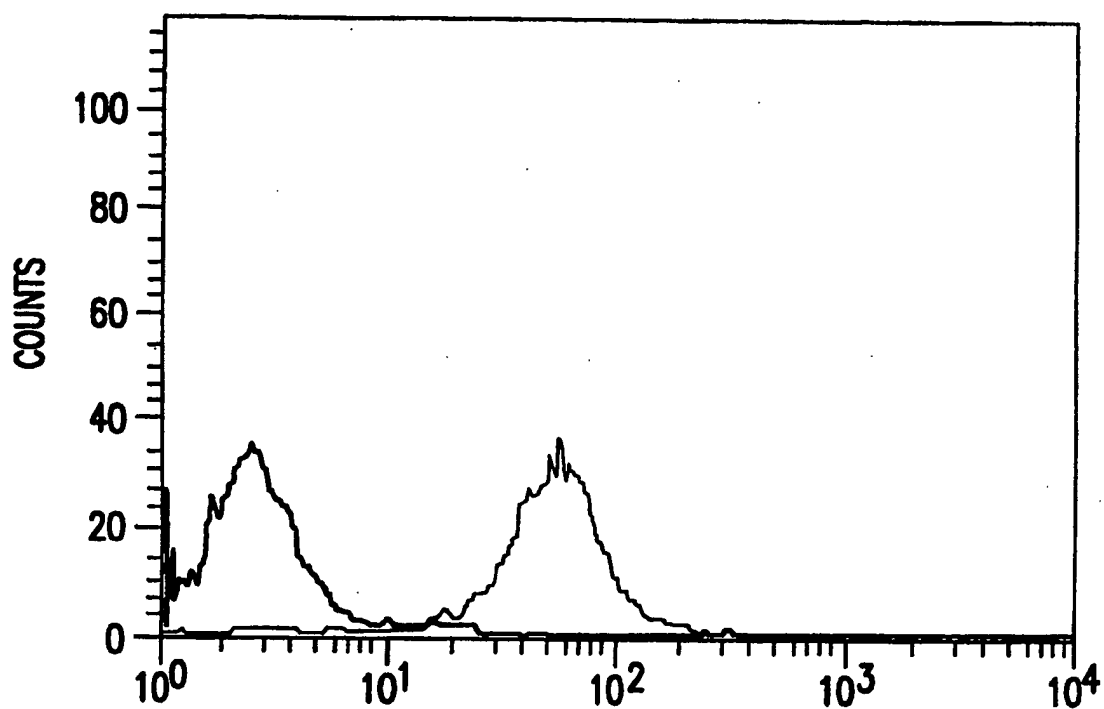




FL1-H
IgG1D VS ANTI-IG *FIG. 13C*

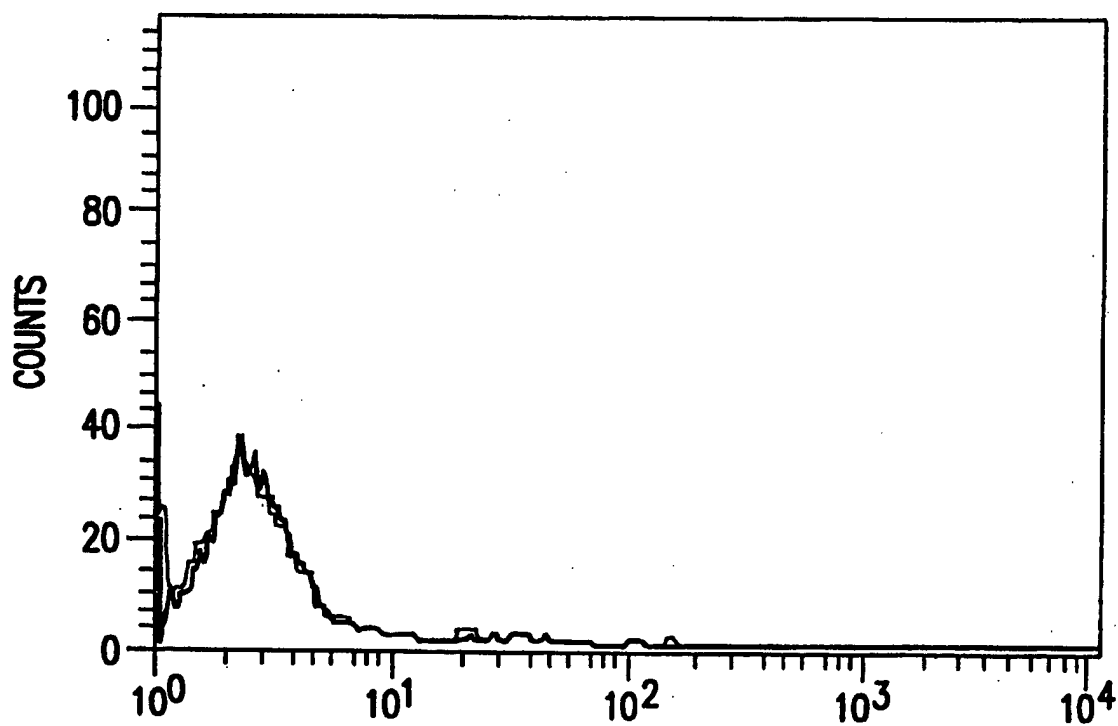


FL1-H
IgG1D VS ANTI-LIGHT CHAINS *FIG. 13D*



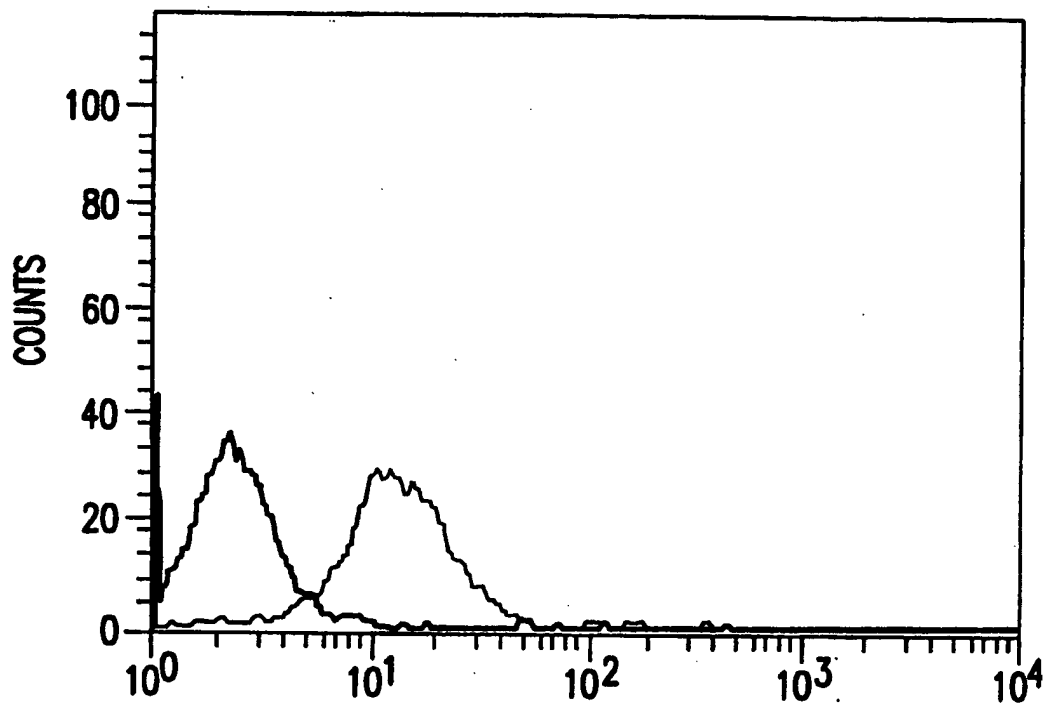
FL1-H
IgG2+IgG3 VS ANTI-IG

FIG. 13E



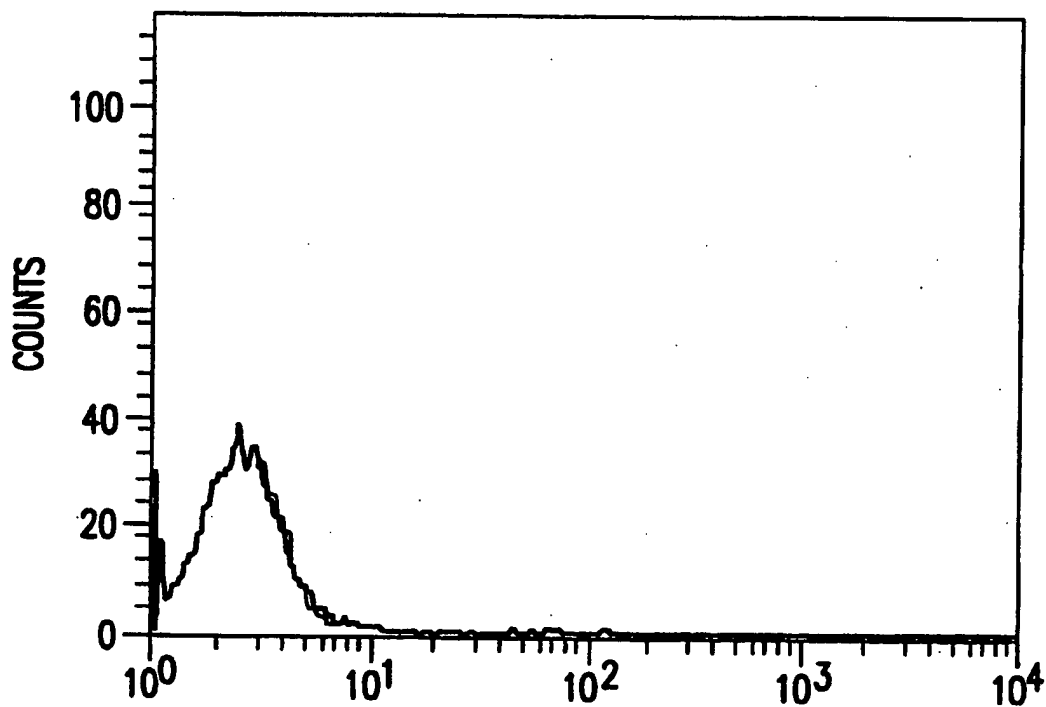
FL1-H
IgG2+IgG3 VS ANTI-LIGHT CHAINS

FIG. 13F



FL1-H
IgG3 VS ANTI-IG

FIG. 13G



FL1-H
IgG3 VS ANTI-LIGHT CHAINS

FIG. 13H

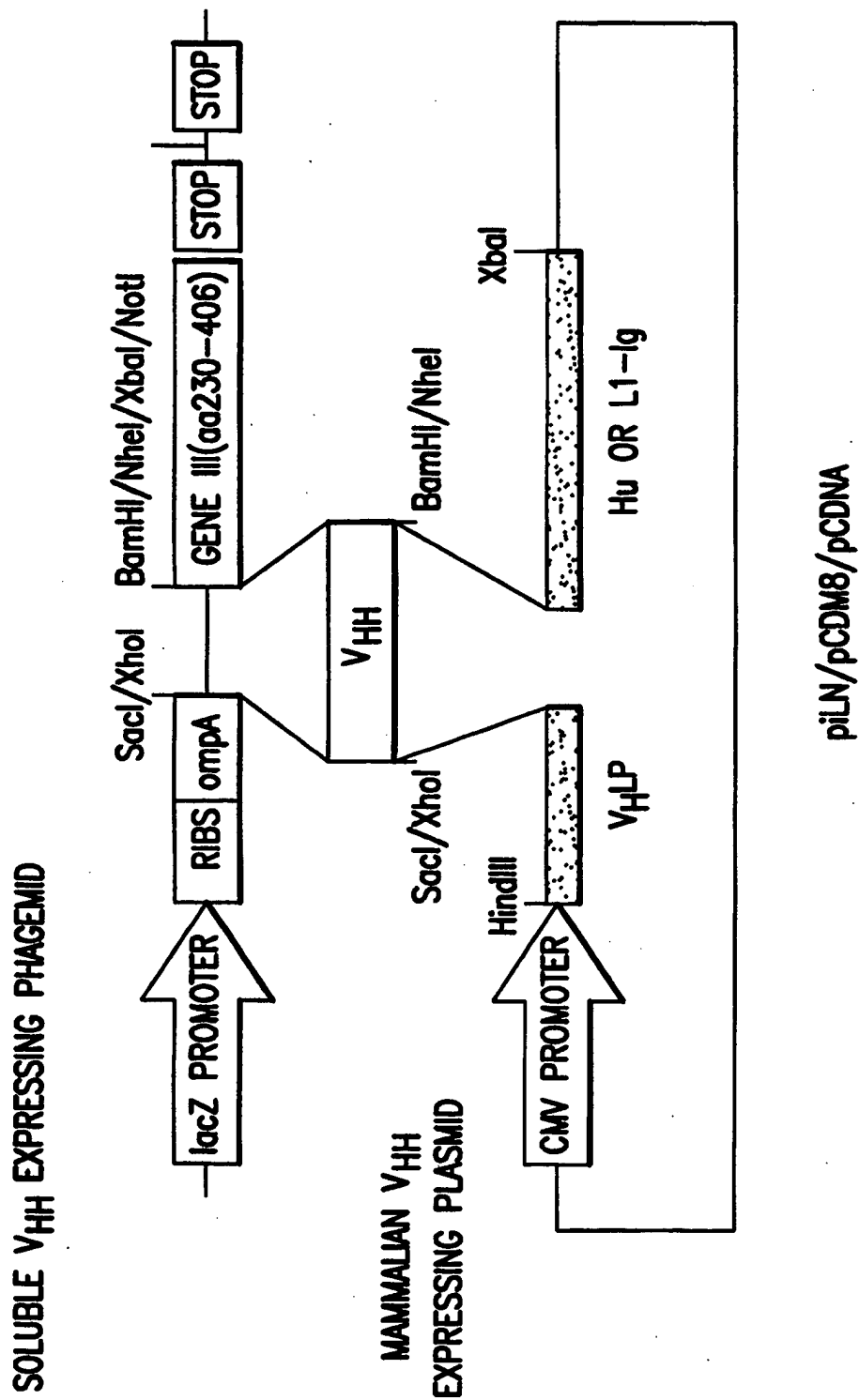


FIG. 14

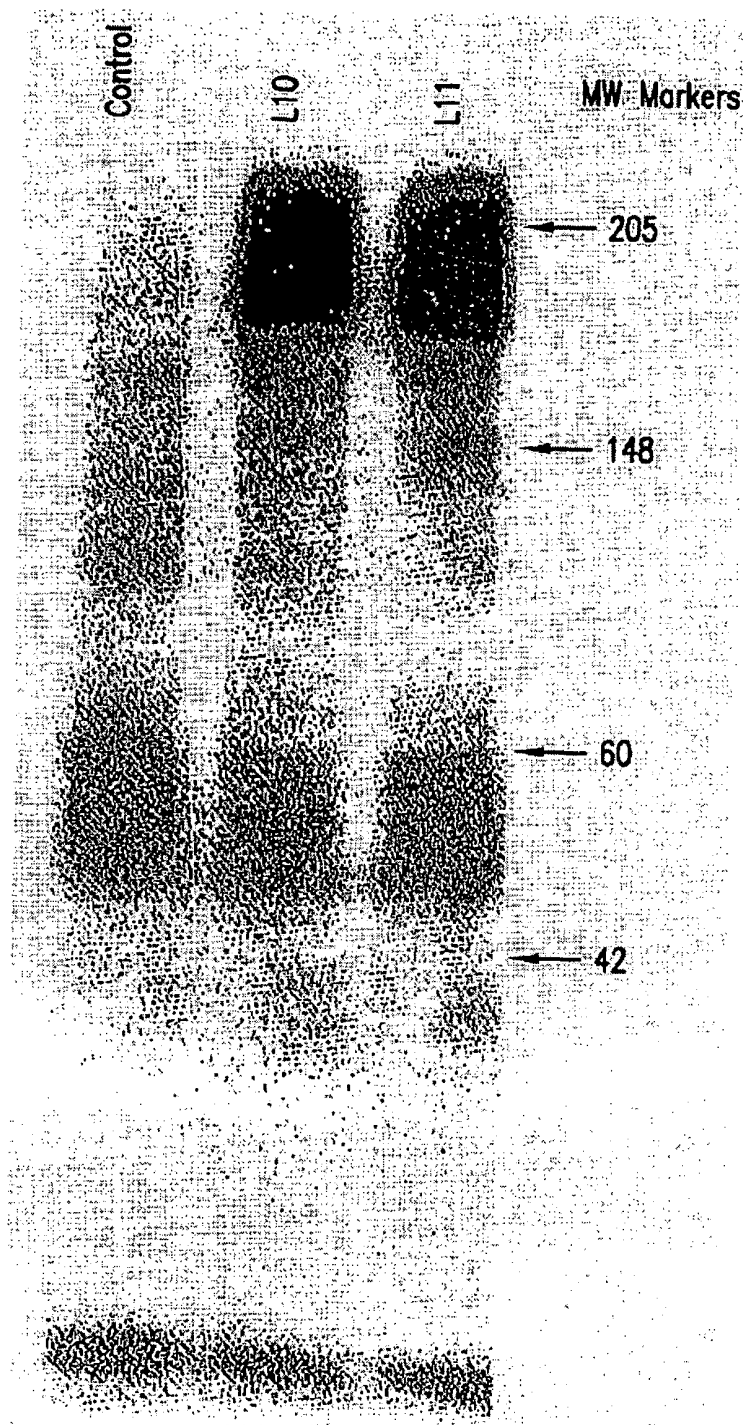


FIG. 15

113-0019-999

	10	20	CDR 1	37	40	44	45	47
Translation of	IRLLVESGGGLAQP	GGSLRLSCAASGV	QEG-LDGMG-W	Y	RQAPGK	QR	E	L V
Translation of	IRLLVESGGGLVRAGG	SLRLSCAASGR	IFS-NYTLG-W	F	RQAPGK	ER	E	F V
Translation of	IRLLVESGGGLVQAGG	SLRFSCVASGR	IFT-IRTMG-W	Y	RQTPGI	QR	E	L V
Translation of	IRLLVESGGGLVQPGG	SLRLSCAASER	DFG-SSVMG-W	F	RQAPGK	ER	E	F V
Translation of	IRLLVESGGGLVQAGG	SLRLSCTTSGI	KFG-ITAMT-W	Y	RQTPLN	ER	E	L V
Translation of	IRLLVESGGGLVQRGAS	LRLTCVVSGI	FVD-RWAMG-W	F	RQAPGQ	KR	L	F V
Translation of	IRLLVESGGGLVQTGDS	LKLSCVASGR	NFS-SYHMA-W	F	RQTPDK	ER	E	F V
Translation of	IRLLVESGGGLVQAGG	SLRLSCTASGR	TFS-RYYMG-W	F	RQAPGK	ER	E	S V
Translation of	IRLLVESGGGLVQAGD	SLRLSCAASGR	TFT-NYAMG-W	F	RQAPGK	ER	E	F V

	CDR 2	70	80	90
Translation of A	GISS - TNIPNYSKS	VKGRFTISR	DNANTVYLQ	MNSLKPEDTAVYYC
Translation of A	DIS---GSITFYADS	VKGRFTISR	DNANTVYLQ	MNLKFADTAVYYC
Translation of A	EITA - DGSQNYVDA	VKGRFTIF	GDNDKKTW	LQMSLKAEDTADYYC
Translation of A	AINW - SVGGTYTDS	VKGRFTISR	DNANTVYLQ	MNSLKPEDTAVYSC
Translation of A	VVGG - GGSTLYEGR	VKGRFTISR	DNANTAYLQ	MNSLKPEDTAVYYC
Translation of A	SAIW - DGDETWYGDS	VKGRFTVSR	DAKNSVYLQ	LANLPEDTATYSC
Translation of G	VSWK - GGSEYYKNS	VKGRFTLSR	DAKNTVYLQ	MNSLKPEDSGVYYC
Translation of G	LISR - SGGSTDYADS	VKGRFTISR	DNANTPYLQ	MNSLIPEDSGVYYC
Translation of A	RISR - VGSSTFYTDS	VKGRFTISR	DNANTMYLQ	MNSMKAEDTAVYYC

	CDR 3	130	140	HINGE
Translation of NA	DKRGPVI	TVYNGKGTQ	VTVSS	EPKTPKPQ
Translation of AA	SEDRRETELKKERANSWF	PARKFMQ	YEYNGQGTQ	VAVSS EPKTPKPQ
Translation of AA	DIITTDWRS	SRYNGQGTQ	VTVSS	EPKTPKPQ
Translation of AV	RTRQRLNIRADED	YGYNGQGTQ	VTVSS	EPKTPKPQ
Translation of GA	AASILAASSAET	VQYNGQGTQ	VTVSL	EPKTPKPQ
Translation of AA	LNGAWPSSIATMTPD	LCWNGQGTQ	VTVSL	EPKTPKPQ
Translation of AA	DDHVTRGASKAS	YRYNGQGTQ	VTVSS	EPKTPKPQ
Translation of AA	NIAAGWDTLSRDWRDKRT	YSYNGQGTQ	VTVSS	EPKTPKPQ
Translation of AA	DSDYGPGRRSSE	YDYNGQGTQ	VTVSS	EPKTPKPQ

FIG. 16A

CONSTANT

2102202302401020CDR 13740444547

	50	CDR 2	70	80	90
Translation of	S	CLSRV-GGPTLYADS	VKGRFTSSSDAAKTKVYLQMN	NLKPEDTAVYYC	
Translation of	I	CMSA-SDGSTYYSDS	VKGRFTISRDDDKNTLYLQMER	LKPEDTATYYC	
Translation of	S	CISTR-GSTYYADS	VKGRFAISGDDDKMTLYLQMN	NLKPEDTAVYYC	
Translation of	S	CIST-SDGSTYYGGS	VKGRFTISVDVAKNTVYLQMN	SLKPDDTAVYYC	
Translation of	S	CISG-RDGTAAAYADS	VKGRFTISRDNKNTVYLQMN	NLKPEDTADYYC	
Translation of	S	CISA-TDNTTYYSDS	VKGRFTISSNNAENTVYLQIN	SLQPEDTAVYHC	

*** : : * ***** : : : : * : : * : *

		CDR 3		HINGE
Translation of	TA-	HISCWNIINPNE	YDYWGQGTQVTSS	EPKTPK
Translation of	AA-	NYLGRVRSAIRAADYCSGSGSV	YHFWGQGTQVTSS	EPKTPK
Translation of	GA-	LINWYSPNTDYDSAWCRGSLGDYG	LDYWGKGLVTSS	EPKTPK
Translation of	AA-	DPRIWLHSVVGTERCLTD	YDYWGQGTQVTSS	ELKTPK
Translation of	TA-	NLGLRPSDFNRGYKCPYE	YDYWGQGTQVTSS	EPKTPK
Translation of	AA-	VRSWKSIYSRTWCTDLY	LEVWGQGLVTSS	EPKTPK

** ** : : * : : *

		CONSTANT
	HINGE	70 180 190 200
Translation of	PQPQPQPQ-PNPTTE	SKCPKCPAPELLGGPSVFIFPPKPKDVLISGR
Translation of	PQPQPQPQ-PNPTTE	SKCPKCPAPELLGGPSVFIFPPKPKDVLISGR
Translation of	PQPQPQPQ-PNPTTE	SKCPKCPAPELLGGPSVFIFPPKPKDVLISGR
Translation of	PQPQPQPQ-LNPTTE	SKCPKCPAPELLGGPSVFIFPPKPKDVLISGR
Translation of	PQPQPQPQ-PNPTTE	SKCPKCPAPELLGGPSVFIFPPKPKDVLISGR
Translation of	PQPQPQPQPL-PNPTTE	SKCPKCPAPELLGGPSVFIFPPKPKDVLISGR

***** * *****

	210	220
Translation of	PEVTCVVDVGQEDPEVSFNGTLMASRI	
Translation of	PEVTCVVDVGQEDPEVSFNGTLMAEF	
Translation of	PEVTCVVDVGQEDPEVSFNGTLMAPN	
Translation of	PEVTCVVDVGQEDPEVSFNGTLMAPN	
Translation of	PEVTCVVDVGQEDPEVSFNGTLMASRI	
Translation of	PEVTCVVDVGQEDPSRI	

FIG. 16C

LIG1a	KCKVNNKALPAPIER	TISKAKGQ	TRE	PQ	YY	TL	APH	RE	EEL	A	130	140	150	160																										
LIG1b	KCKVNNKALPAPIER	TIGKAKGQ	TRE	PQ	VY	TL	APH	RE	EEL	A																														
LIG2	KCKVNNKALPAPIEK	TISKAKGQ	TRE	PQ	VY	TL	APH	RE	EEL	A																														
LIG2b	KCKVNNKALPAPIEK	TISKAKGQ	TRE	PQ	VY	TL	APH	RE	EEL	A																														
LIG2c	KCKVNNKALPAPIEK	TISKAKGQ	TRE	PQ	VV	TL	APH	RE	EEL	A																														
LIG3	KCKVNNKALPAPIER	TISKAKGQ	TRE	PQ	VY	TL	APH	RE	EEL	A																														
	KCKVNNKALPAPIE:	TISKAKGQ	TRE	PQ	VY	TL	APH	RE	EEL	A																														
LIG1a	KD TVSV	TC	LV	KG	F	Y	P	A	D	I	N	V	E	W	Q	R	N	G	Q	P	E	S	E	G	T	Y	A	N	T	P	P	Q	170	180	190	200				
LIG1b	KD TVSV	TC	LV	KG	F	Y	P	A	D	I	N	V	E	W	Q	R	N	G	Q	P	E	S	E	G	T	Y	A	N	T	P	P	Q								
LIG2	KD TVSV	TC	LV	KG	F	Y	P	P	D	I	N	V	E	W	Q	R	N	G	Q	P	E	S	E	G	T	Y	A	T	T	P	P	Q								
LIG2b	KD TVSV	TC	LV	KG	F	Y	P	P	D	I	N	V	E	W	Q	R	N	G	Q	P	E	S	E	G	T	Y	A	T	T	P	P	Q								
LIG2c	KD TVSV	TC	LV	KG	F	Y	P	P	D	I	N	V	E	W	Q	R	N	G	Q	P	E	S	E	G	T	Y	A	T	T	P	P	Q								
LIG3	KD TVSV	TC	LV	KG	F	F	P	A	D	I	N	V	E	W	Q	R	N	G	Q	P	E	S	E	G	T	Y	A	N	T	P	P	Q								
	KD TVSV	TC	LV	KG	F	Y	P		D	I	N	V	E	W	Q	R	N	G	Q	P	E	S	E	G	T	Y	A	:	T	P	P	Q								
LIG1a	LDNDG	T	Y	F	L	Y	S	R	L	S	V	G	K	N	T	W	Q	R	G	E	T	L	T	G	V	V	M	H	E	A	L	H	N	H	Y	T	210	220	230	240
LIG1b	LDNDG	T	Y	F	L	Y	S	K	L	S	V	G	K	N	T	W	Q	R	G	E	T	L	T	C	V	V	M	H	E	A	L	H	N	H	Y	T				
LIG2	LDNDG	T	Y	F	L	Y	S	K	L	S	V	G	K	N	T	W	Q	Q	G	E	T	F	T	C	V	V	M	H	E	A	L	H	N	H	Y	T				
LIG2b	LDNDG	T	Y	F	L	Y	S	K	L	S	V	G	K	N	T	W	Q	Q	G	E	T	F	T	C	V	V	M	H	E	A	L	H	N	H	Y	T				
LIG2c	LDNDG	T	Y	F	L	Y	S	K	L	S	V	G	K	N	T	W	Q	Q	G	E	T	F	T	C	V	V	M	H	E	A	L	H	N	H	Y	T				
LIG3	LDNDG	T	Y	F	L	Y	S	K	L	S	V	G	K	N	T	W	Q	Q	G	E	V	F	T	C	V	V	M	H	E	A	L	H	N	H	S	T				
	LDNDG	T	Y	F	L	Y	S	K	L	S	V	G	K	N	T	W	Q	:G	E	T	F	T	C	V	V	M	H	E	A	L	H	N	H	Y	T					

FIG. 17B

LIg1a	Q	K	S	I	T	Q	S	S	G	K	250	260	270	280
LIg1b	Q	K	S	I	T	Q	S	S	G	K				
LIg2	Q	K	S	I	T	Q	S	S	G	K				
LIg2b	Q	K	S	I	T	Q	S	S	G	K				
LIg2c	Q	K	S	I	T	Q	S	S	G	K				
LIg3	Q	K	S	I	T	Q	S	S	G	K				
	Q	K	S	I	T	Q	S	S	G	K				

OKT3VHLP-S

5'-TGT AAG CTT GCC ACC ATG GAT TGG GTG TGG ACC TTG CTA TTC CTG TTG TCA GTA
ACT GCA GGT GTC CAC TCC CAG GTG CAG 3'

OKT3/9.3HYB

5'-GCA GGT GTC CAC TCC CAG GTG CAG CTG AAG GAG TCA GG-3'

HRS1-10

TCT TCT AAG CTT AGT TGT CTT GAG CTC CAG CTG AAG GAG TCA GGA CCT

H4-18

CTG AAG GAG TCA GGA CCT GGC CTG GTG ACG CCG TCA CAG AGC CTG

H13-27

ACG CCC TCA CAG AGC CTG TCC ATC ACT TGT ACT GTC TCT GGG TTT

H22-36

TGT ACT GTC TCT GGG TTT TCA TTA AGC GAC TAT GGT GTT CAT TGG

H31-47

GAC TAT GGT GTT CAT TGG GTT CGC CAG TCT CCA GGA CAG GGA CTG GAG TGC

LV1 TTC GAG CGC GGT

LV2 TAC GAG CGC TTC

HAS47-31

GCA CTC CAG TCC CTG TCC TGG AGA CTG GCG AAC CCA ATG AAC ACC ATA GTC

ACC GCG CTC GAA L1HAS

GAA GCG CTC GTA L2HAS

H54-40

CC AGC CCA TAT TAC TCC CAG GCA CTC CAG TCC CTG TCC TGG AGA

L1H54-40 ACC GCG CTC

L2H54-50 GAA GCG CTC

H62-49

GAG AGC CGA ATT ATA ATT CGT GCC TCC ACC AGC CCA TAT TAC

H70-57

TTT GCT GAT GCT CTT TCT GGA CAT GAG AGC CGA ATT ATA ATT

H7S-65

GAA AAC TTG GCC CTT GGA GTT GTC TTT GCT GAT GCT CTT TCT

HS4-73

AGC TTG CAG ACT CTT CAT TTT TAA GAA AAC TTG GCC CTT GGA

H92-S1

ACA GTA ATA CAC GGC TGT GTC ATC AGC TTG CAG ACT CTT CAT

H100-87

ATA GGA GTA TCC CTT ATC TCT GGC ACA GTA ATA CAC GGC TGT

H104-95

ACC CAA GTA GTC CAT AGA ATA GTA ATA GGA GTA TCC CTT ATC

H111-100

GAC GGT GAC TGA GGT TCC TTG ACC CCA GTA GTC CAT AGA ATA

93VH3'-BAM

TCT TCT GGA TCC AGA GGA GAC GGT GAC TGA GGT TCC

OR

H3RS-104

CTG TCT AGA CCT GCT AGC AGA GGA GAC GGT GAC TGA GGT TCC TTG ACC CGA GTA
GTC

FIG. 18

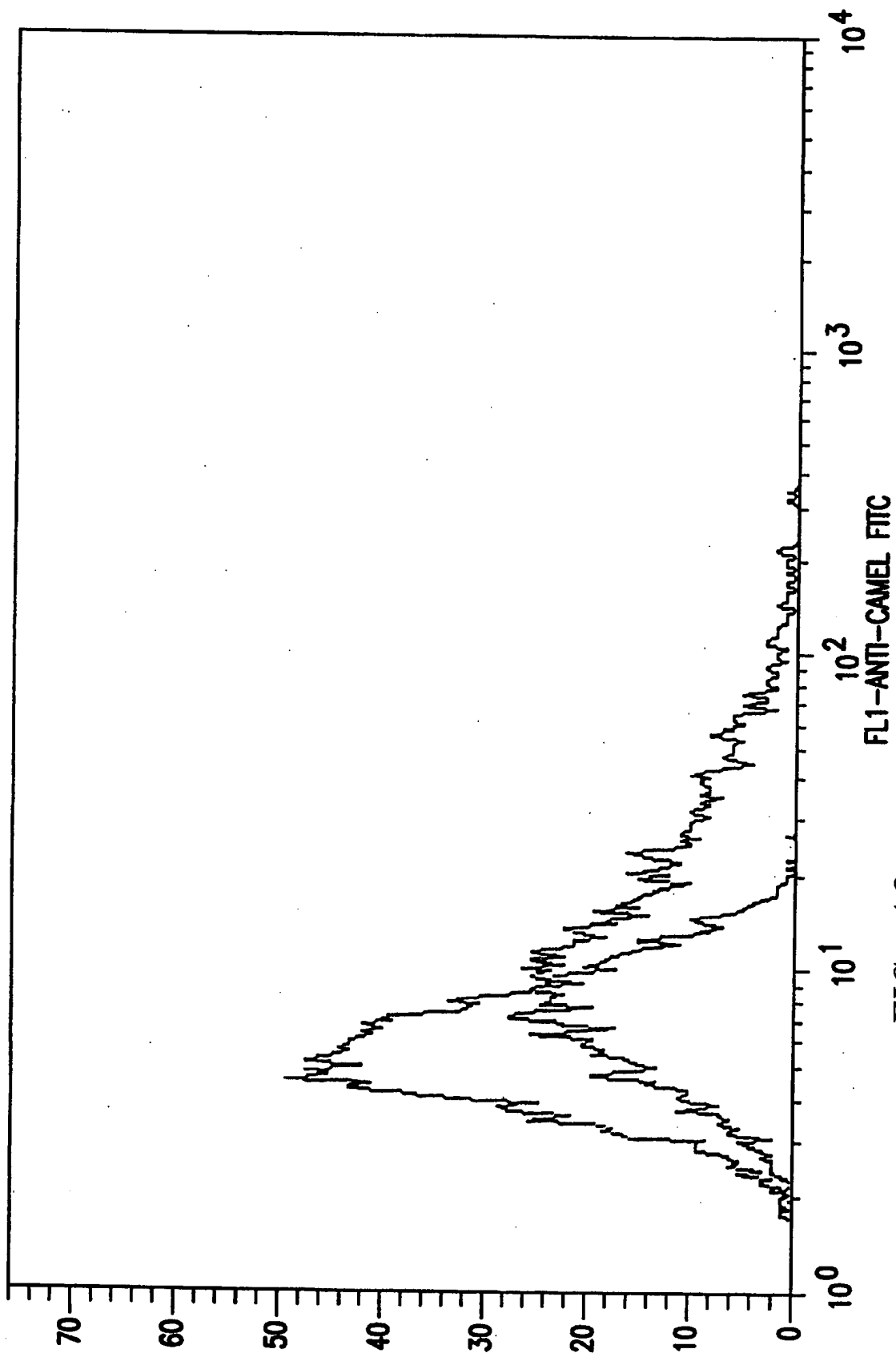


FIG. 19

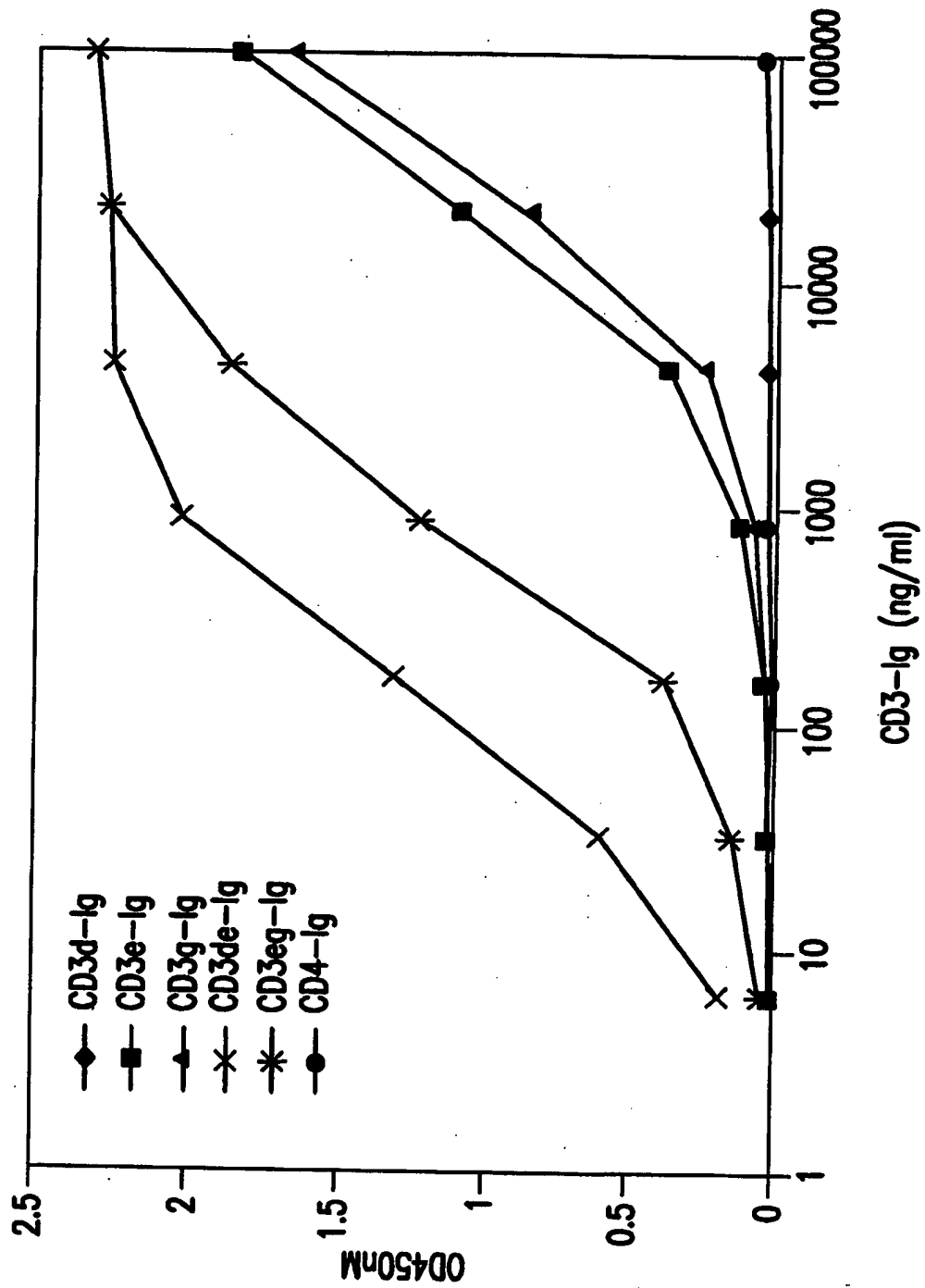


FIG. 20